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United States Department of Agriculture

BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

SERVICE AND REGULATORY ANNOUNCEMENTS

LIST OF INTERCEPTED PLANT PESTS, 1940

(List of Pests Recorded During the Period July 1, 1939, to June 30, 1940, Inclusive, as Intercepted in, on, or with Plants and Plant Products Entering United States Territory.)

INTRODUCTION

This report, covering the twenty-seventh year for which lists of interceptions have been issued, shows a decided change in arrangement of the detailed tabular information regarding those species believed to be of sufficient interest to warrant such presentation. Under the new arrangement the detailed data are given under the names of the pests and indexed under the names of the hosts and under the countries of origin instead of being given under the countries of origin without any indexing.

This change is being made so that the list will be more serviceable under present-day conditions. When the first list of interceptions was issued on February 2, 1914, covering the period July 1 to December 31, 1913, 84 percent of the interceptions listed were made by State quarantine officers. Federal quarantine inspectors were located in Washington only, and interception data were assembled and used on a country-of-origin basis. Data were so few that all could be reviewed quickly regardless of the arrangement used. Today most of the interceptions are made by Federal inspectors who are stationed at numerous maritime and border ports; interceptions are indexed in the Washington office under pest, host, and country of origin, but these files are not available to the major part of the personnel except by correspondence; and the pest-and-host relationship is more important than the country of origin, since rapid transportation of pests with host materials has made distribution data less stable than they were formerly.

In an effort to meet the needs of the organization as a whole, and of cooperating agencies and specialists as well, an index to previous interceptions has been prepared and is being checked prior to expected publication. This index has alphabetical lists of intercepted insects and pathogens, with alphabetical lists of the hosts in, on, or with which they were intercepted and alphabetical lists of the countries of origin. Hosts are listed alphabetically also and the pests found associated with them are indicated. The new arrangement of the annual list is not only more serviceable of itself but will make it usable as an annual supplement to the cumulated index when it becomes available.

With so much of the data cross-indexed it is felt that relatively little text is needed to enable readers to find information of special interest to them.

Following the introduction there are brief references to a few of the more interesting findings, as well as summaries of the interceptions of some of the species too common to be included in the detailed tables, and of incompletely determined pests.

As usual, the records summarized in this report cover determinations of pests intercepted in, on, or with plants and plant products (1) imported, (2) offered for but refused entry, (3) held as ships' stores, etc., and hence not imported through customs, (4) offered for entry for immediate export or for immediate transportation and exportation in bond, and (5) in domestic shipments reaching the mainland from Hawaii and Puerto Rico.

Collections made late in the year are often included in the report for the following year, especially if not determined immediately. The data on which this paper is based are on file in Washington, D. C. In addition to routine reports and determinations by the personnel of this Bureau, State and customs officials furnish considerable information. Staffs of specialists maintained by the States of Cali-

fornia and Florida and the Territory of Hawaii determine most of the interceptions made there, and specialists in the Bureau of Plant Industry determine a large part of the more difficult plant-disease material.

The alleged origin of plant materials cannot be verified in all cases. Obviously doubtful items are either omitted or the origin is listed as unknown.

NOTES ON INSECTS INTERCEPTED

FRUITFLIES

The following fruitflies were intercepted: *Anastrepha distincta* Greene in *Inga* sp. from Mexico; *A. fraterculus* (Wied.) in peach from Mexico; Mexican fruitfly (*A. ludens* (Loew)) in avocado, grapefruit, mango, orange, peach, pear, pomegranate, ponderosa lemon, quince, sour orange, sweet lime, tangerine, and white sapote from Mexico; *A. mombinpraeoptans* Sein in *Spondias* sp. from the American Virgin Islands, mango from Cuba, Dominican Republic, Haiti, Jamaica, and Mexico, and guava and mango from Puerto Rico; *A. serpentina* (Wied.) in sapote from Honduras, mamey and sapote from Mexico, and orange and sapodilla from Trinidad; *A. suspensa* (Loew) in guava from Cuba and Puerto Rico; *Anastrepha* sp. in grapefruit from Argentina, sapodilla from Colombia, mango from Costa Rica, Cuba, Haiti, Jamaica, and Panama, star-apple from Guatemala, mango and star-apple from Honduras, apple, apricot, avocado, guava, mango, orange, peach, pear, quince, and sapote from Mexico, and mango and sapodilla from Trinidad; Mediterranean fruitfly (*Ceratitis capitata* Wied.) in tangerine from Brazil, in box containing apples and pears from Germany, avocado, coffee berry, and pepper from Hawaii, bitter orange, pear, pricklypear, and where oranges had been stored on deck of ship from Italy, and orange from Portugal and Spain; *Ceratitis* sp. in grapefruit from Palestine and Union of South Africa; melonfly (*Dacus cucurbitae* (Coq.)) in box of cucumbers from Hawaii; olive fruitfly (*D. oleae* Gmel.) in olive from Italy and Portugal; *Dacus* sp. in pumpkin from Union of South Africa; *Epochra* sp. in currant from Mexico; apple maggot (*Rhagoletis pomonella* (Walsh)) in apple from Canada and Mexico and *Crataegus* sp. from Mexico; *Rhagoletis* sp. in black walnut and *Crataegus* sp. from Mexico; *Spilographa* sp. in *Rosa spinosissima* var. from Canada; papaya fruitfly (*Toxotrypana curvicauda* (Gerst.) in bag containing papaya fruit from Puerto Rico; trypetid in *Wisteria* sp. from Japan, cut flowers, seed pod, and *Zinnia* sp. from Mexico, *Lonicera* sp. seed from Sweden, rhizome from Switzerland, and peach and plum from Union of South Africa.

INSECTS OTHER THAN FRUITFLIES

Acrolepia assectella (Zell.) (Hyponomeutidae) was intercepted in leeks from Italy and Sweden. The citrus blackfly (*Aleurocanthus woglumi* Ashby) was found on leaves of lemon, orange, and sweet lime from Cuba, fruit of sour lime from Dominica, and leaf of sour lime from Jamaica. Pineapples from Mexico were infested with *Alpheias conspirata* Hein. (Galleriidae). *Anthonomus funereus* Champ. (Curculionidae) arrived with orchids from Mexico. *Aonidiella comperei* McK. (Coccidae) was found on sour limes from Dominica and Guatemala. *Aspidiotus coryphae* Ckll. (Coccidae) infested coconuts from Philippines. *Asterolecanium stentae* Brain (Coccidae) was intercepted on *Euphorbia* sp. from Union of South Africa. *Baris lepidii* Germ. (Curculionidae) was taken in horseradish from Poland. *Bruchus pallidicornis* (Boh.) (Bruchidae) infested lentil seed from Italy. *Cerotoma atrofasciata* Jac. (Chrysomelidae) arrived with *Oncidium cavendishianum* from Guatemala. The turnip gall weevil (*Ceutorhynchus pleurostigma* Marsh.) was intercepted in turnip from England, France, Netherlands, Scotland, and Sweden. The Asiatic rice borer (*Chilo simplex* (Butler)) was intercepted with rice straw from Japan. *Chrysomphalus umboniferus* Newst. (Coccidae) was taken on an orchid leaf from Venezuela. *Coptotermes formosanus* Shiraki (termite) arrived with *Cycas* sp. from Japan. *Crocidosema plebeiana* Zell. (Olethreutidae) infested *Hibiscus* sp. from Bermuda and okra from Cuba and Mexico. *Diaspis visci* (Schr.) (Coccidae) was found on *Juniperus* sp. berry from Italy. Coconuts from Hawaii and Philippines were infested with the Tahitian coconut weevil (*Diocalandra taitensis* Guer.). *Epicaerus cognatus* Sharp (Curculionidae) was taken in potato from Mexico. *Epinotia opposita* Hein. (Olethreutidae) arrived with lima and string beans from Mexico and string beans from Venezuela. *Eumecosomyia nubila* Wied. (Otitidae) was taken in corn from Brazil and Mexico, lettuce from Mexico, and orange from Panama. *Eupteryx melissae* Curt. (Cicadellidae) was found on sage from England. The West Indian sweetpotato weevil

(*Eusepes postfasciatus* Fairm.) was intercepted in sweetpotatoes from Brazil, Dominican Republic, Haiti, Hawaii, Jamaica, and Trinidad. *Exosoma lustitanica* L. (Chrysomelidae) was found in cipollini from Morocco. *Exptochiomera oblonga* (Stål) (Lygaeidae) was taken on eggplant, pepper, and tomato from Mexico. *Faustinus cubae* (Boh.) (Curculionidae) infested peppers from Cuba. *Frankliniella schultzei* Tryb. (thrips) was found on chinkerichee from the Union of South Africa. *Fulvius bisbistillatus* (Stål) (Miridae) arrived with *Cattleya* spp. from Colombia. *Gelechia ericetella* (Hbn.) (Gelechiidae) was taken on heather from Scotland. *Gnorimoschema gudmanella* (Wlsm.) (Gelechiidae) infested peppers from Cuba and Mexico and tomatoes from Mexico. *Hellula phidilealis* (Walk.) (Pyraustidae) was found on mustard, radish, and white greens from Cuba. *Heraeus cincticornis* Stål (Lygaeidae) arrived with *Cattleya* sp. from Venezuela. *Hoplandrothrips xanthopoides* Bagn. (thrips) was intercepted on *Bryophyllum* sp. from Barbados. *Kalotermes snyderi* Light (termite) was taken in mesquite from Mexico. *Laspeyresia splendana* Hbn. (Olethreutidae) was intercepted in chestnuts from the Azores, Italy, Japan, and Portugal. *Lecaniodiaspis dendrobii* (Dougl.) (Coccidae) was taken on *Cattleya* sp. from Colombia. The East Indian bean pod borer (*Maruca testulalis* Geyer) infested string beans from American Virgin Islands, Brazil, Dominican Republic, Haiti, Hawaii, Japan, and Puerto Rico, and *Canavalia* sp. and *Dioclea violacea* from Hawaii. *Megalometis chiliensis* Boh. (Curculionidae) arrived with nectarine from Chile. Pistache nut from Italy was infested with *Megastigmus pistaciae* Walk. (Callimomidae). *Micrelus ericae* Gyll. (Curculionidae) was found on heather from Scotland. *Moodna bisinuella* Hamp. (Phycitidae) arrived with corn from Mexico. *Mordellistena cattleyana* Champ. (Mordellidae) infested orchids from Colombia and Venezuela and *M. chapini* Ray arrived with orchids from Colombia and Mexico. *Myzus hemerocallis* Taka. (aphid) was intercepted on *Hemerocallis* sp. from China. *Napomyza lateralis* Fallen (Agromyzidae) was found in witloof leaves from Belgium. *Ophiomyia pinguis* (Agromyzidae) arrived with witloof from Belgium. The pink bollworm (*Pectinophora gossypiella* (Saund.)) was intercepted in cottonseed from Brazil, Egypt, Italy, Mexico, and Puerto Rico, seed cotton from Brazil, Manchuria, and Mexico, cotton from Hawaii, and okra from Mexico. The vine moth (*Polychrosis botrana* (Schiff.)) arrived with grapes from Italy. *Psylliodes chrysocephala* L. (Chrysomelidae) infested broccoli, cabbage, cauliflower, and turnip from Italy and turnip from France and Morocco. The European corn borer (*Pyrausta nubilalis* (Hbn.)) arrived with string beans from Japan. *Ribua innoxia* Hein. (Phycitidae) was intercepted in pineapples from Cuba. The mango weevil (*Sternochetus mangifera* F.) was taken in mangoes from Hawaii. *Taeniothrips ericae* (Hal.) (thrips) was taken on heather from Germany and Scotland.

NOTES ON PLANT DISEASES INTERCEPTED

Interceptions of citrus canker (*Bacterium citri*) during the year numbered 17, on 4 host species, with 4 countries of origin. Thirteen of these interceptions were made during the 6-month period March to August, inclusive. The banana leaf spot (*Cercospora musae*) was reported 15 times, although bananas receive relatively little inspection. *Elsinoe australis*, the sweet orange scab of South America, was found twice on oranges in stores. Lima bean scab (*E. phaseoli*) was intercepted 304 times during the year. *Mycosphaerella schoenoprasi* continues to be intercepted, especially from Japan, but not with such frequency as formerly. *Panagrolaimus hygrophilus*, a new species of nematode, was found November 27, 1939, in a wet rot of waterlily root from Cuba and later described. *Papulospora coprophila* was apparently rotting an onion bulb from Mexico on which it was intercepted in May 1940. Citrus black spot (*Phoma citricarpa*) was intercepted but twice during the year. During the course of an inspection of *Sagittaria* sp. corms from Wisconsin for export a new species of nematode was found and later described as *Rhabditis chitwoodi*. During the year *Tritirachium*, a new form genus in the Moniliaceae, was described, based in part on *T. dependens*, the type species found on *Yucca treculeana* from Cuba, but being secondary it is not listed as an interception. *Uredo wakensis*, described during the year, was intercepted at Honolulu February 22, 1938, on *Tournefortia* sp. from Wake Island and mentioned in the 1939 list of interceptions on page 4. The oriental lespedeza rust which goes under the name *Uromyces lespedezae-procumbentis*, although markedly different in host reactions and potentially a menace to plants of oriental species of lespedeza, was intercepted with lespedeza seed from Japan.

It may be noted that some fairly common diseases are listed in the detailed table. The general policy has been to list these common diseases until a reason-

ably representative set of data are recorded showing the hosts and countries of origin involved—a contribution to the study of the types of diseases actually transported in commerce.

COMMON PESTS INTERCEPTED

In order to give a complete picture of the interception work it is necessary to call attention, however briefly, to the thousands of interceptions of common pests. Some of these pests are cosmopolitan, others are not so widely distributed but are well established in this country. Two of the diseases, *Elsinoe phaseoli* and *Helminthosporium allii*, have not been reported as occurring in the United States mainland but are intercepted in such numbers that detailed records of them are no longer made. Some of the interceptions of diseases known to occur in this country doubtless represent forms or strains not found here. Great numbers of common pests are discarded without any record being made of them, but enough are recorded to give a reasonably representative sample. In the following summaries of these records the numbers following the names of organisms indicate the number of countries of origin from which the pest was intercepted and the total number of interceptions recorded.

INSECTS

Common insects intercepted 10 or more times, and recorded, included *Acanthoscelides obtectus* (10—185), *Ahasverus advena* (23—113) *Anthonomus eugenii* (1—6,068), *Aonidiella aurantii* (19—618), *Aphis gossypii* (8—177), *A. rumicis* (4—13), *Araecerus fasciculatus* (14—26), *Aspidiotus camelliae* (9—32), *A. cyanophylli* (12—66), *A. hederae* (20—141), *A. lataniae* (13—232), *A. perniciosus* (10—34), *Aulacaspis pentagona* (7—15), *Brevicoryne brassicae* (13—19), *Carpocapsa pomonella* (13—89), *Cathartus quadricollis* (4—165), *Ceratophis lataniae* (11—28), *Chionaspis citri* (9—19), *Chrysomphalus aonidum* (32—5,368), *C. dictyospermi* (22—752), *Coccus hesperidum* (21—77), *Diaspis boisduvalii* (20—243), *D. bromeliae* (6—321), *D. echinocacti* (9—28), *Ephestia cautella* (9—20), *Gnorimoschema operculella* (29—203), *Heliothis armigera* (11—3,390), *H. virescens* (6—106), *Hippodamia convergens* (1—192), *Howardia biclavis* (7—46), *Ischnaspis longirostris* (8—15), *Laphygma frugiperda* (3—329), *Lasioderma sericorne* (10—118) *Lepidosaphes beckii* (50—3,938), *L. gloverii* (14—772), *L. ulmi* (16—47), *Macrosiphum solanifolii* (8—209), *Myzus persicae* (18—309), *Necrobia rufipes* (15—56), *Oryzaephilus surinamensis* (12—98), *Parlatoria pergandii* (19—4,012), *P. proteus* (14—62), *Pinnaspis aspidistrae* (12—61), *P. minor* (11—129), *Plodia interpunctella* (9—378), *Pseudococcus adonidum* (6—26), *P. brevipes* (15—435), *P. citri* (20—73), *P. maritimus* (12—42), *Rhizoglyphus hyacinthi* (11—127), *Rhizopertha dominica* (6—54), *Rhopalosiphum pseudobrassicae* (2—72), *Saissetia hemisphaerica* (21—136), *S. nigra* (7—46), *S. oleae* (11—40), *Selenaspidus articulatus* (23—79), *Sitophilus oryza* (18—1,113), *Sitotroga cerealella* (5—21), *Tenebroides mauritanicus* (12—56), *Thrips tabaci* (22—347), *Tribolium castaneum* (9—282), *T. confusum* (9—97), and *Typhaea stercorea* (12—93).

In addition to the listed species of common insects, there were 5,249 interceptions belonging to 693 different species which were not deemed to be of sufficient importance from the plant-quarantine viewpoint to warrant listing them by species. Total of insects included in this paragraph, 39,711.

DISEASES

Common plant diseases intercepted included *Actinomyces scabies* (37—469), *Albugo candida* (4—78), *Alternaria brassicae* (11—37), *A. herculea* (17—33), *A. radicina* (5—10), *A. solani* (1—108), *Aspergillus niger* (30—313), *Bacillus carotovorus* (21—63), *Bacterium maculicola* (9—19), *B. marginatum* (7—300), *B. rhizogenes* (3—6), *B. tumefaciens* (6—23), *B. vesicatorium* (4—2,472), *Botrytis cinerea* (28—168), *Capnodium citri* (17—55), *Cephalothecium roseum* (16—71), *Ceratostomella adiposum* (4—38), *C. paradoxa* (12—212), *Cercospora beticola* (4—39), *C. capsici* (3—344), *C. rosicola* (4—38), *Cladosporium fulvum* (2—168), *C. herbarum* (3—31), *Colletotrichum circinans* (5—120), *C. lindemuthianum* (11—145), *Coniothyrium fuckeli* (5—6), *Corticium vagum* (32—517), *Diaporthe phaseolorum* (3—108), *Diplocarpon rosae* (6—29), *Diplodia natalensis* (20—39), *Elsinoe fawcettii* (20—55), *E. phaseoli* (2—304), *Erysiphe graminis* (2—23), *Fusarium moniliforme* (2—18), *Gloeosporium limetticolum* (11–123), *Glomerella cingulata* (20—533), *Graphiola phoenicis* (3—7), *Helminthosporium allii* (10—844), *H. sativum* (2—21), *Heterodera marioni* (16—44), *Macrosporium tomato* (4—1,672), *Melanconium sacchari* (3—4),

Mycosphaerella brassicicola (4—9), *M. pinodes* (9—21), *Oospora lactis parasitica* (10—78), *Penicillium digitatum* (18—98), *P. expansum* (14—36), *P. gladioli* (3—1,597), *P. italicum* (18—58), *Peronospora parasitica* (4—5), *Pestalozzi guepini* (7—29), *Phoma destructiva* (10—850), *Phomopsis citri* (31—156), *P. vexans* (9—295), *Phytophthora infestans* (13—62), *Puccinia graminis* (18—152), *P. menthae* (5—11), *P. rubigo-vera* (10—33), *Pythium debaryanum* (1—17), *Rhizopus nigricans* (34—652), *Sclerotinia gladioli* (3—403), *S. sclerotiorum* (17—32), *Sclerotium oryzae* (6—13), *S. rolfsii* (7—23), *Septoria apii* (17—38), *S. petroselini* (7—38), *Spondylocladium atrovirens* (28—182), *Spongospora subterranea* (9—20), *Uromyces phaseoli typica* (4—251), *Venturia inaequalis* (32—189), *V. pyrina* (7—18), *Verticillium cinnabarina* (19—58).

Total recorded interceptions of these common diseases, 15,131.

INCOMPLETELY DETERMINED PESTS

Some interceptions are not determined to species because they are new and undescribed, others because descriptions are faulty and authentic material is not available for comparison, but a large part of the incompletely determined material could not be determined because it was not in the right stage or was not in good condition or was of such a nature that determination would require more work than the probable value of the determination seemed to warrant. A few notes regarding some of these interceptions should be of interest.

INSECTS

Of the pests intercepted a total of 67 could be determined to family, subfamily, or tribe only. A total of 5,613 other lots of insect pests, determined to genus only, were distributed among 1,159 genera.

DISEASES

Many of the fungi infecting plant material offered for entry are in a nonfruiting condition and could not be determined without culturing them. Since the Division of Foreign Plant Quarantines of this Bureau is not prepared to do routine culture work or to get it done, these must remain undetermined for the most part. Fungi found on special-permit plants are sometimes fruiting in some stage, but the material is often so scanty that it cannot be studied properly. A few bacterial diseases are determinable on the basis of their symptoms. Others must remain undetermined. There is no practicable means for inspecting most imported plant material for the possible presence of virus diseases or for determining the identity of viruses if detected.

Fungi not determinable by inspectors are sometimes referred to specialists for examination. The following notes are based on reports covering a few such specimens among those the specialists were unable to determine to species.

Ascochyta sp., either undescribed or not reported as occurring on orchids, was intercepted at Seattle in March 1940 on *Cymbidium crassifolium, C. parishii, Cypripedium callosum, C. fairrieanum, C hirsutissimum, C. parishii,* and *C. spicerianum* in mail shipments from India. *Coniothyrium* sp. with spores smaller than those of either species reported on orchids was intercepted at San Francisco in December 1939 on *Epidendrum* sp. in cargo from Mexico. *Coryneum* sp., which does not agree with *C. rhododendri* or *C. triseptatum,* was intercepted at Seattle in January 1940 on *Rhododendron* sp. in cargo from Canada. An undetermined *Diplodia* (or *Microdiplodia*) with spores measuring about 3 by 8 microns was found on a lemon from Italy in July 1939 at New York, in stores. *Gloeosporium* sp. (no species reported on host) was intercepted at San Francisco the latter part of June 1939 on *Caralluma* sp. in mail from Mozambique. An undetermined species of *Gloeosporium* was found on *Typha* sp. used as packing for fish coming in from Mexico during October, November, and December, 1939, at El Paso. The spotting has been noted frequently but the scanty sporulation on this material is the only time the fungus had developed sufficiently to permit even a partial determination. *Macrosporium* sp. with smaller spores than those of *M. camelliae* was intercepted at Seattle in December 1939 on *Camellia japonica* in cargo from Japan. *Mycosphaerella* sp., apparently not *M. gardeniae,* was intercepted at Brownsville in December 1939 on *Gardenia florida* in baggage from Mexico. *Myxosporium* sp., apparently undescribed, was intercepted at Seattle in December 1939 and at San Francisco in February and March 1940 on *Camellia japonica* in cargo from Japan. *Myxosporium* sp., no species reported on the host, was found at New York in May 1939 on *Euphorbia* sp. among ship's furnishings from

Straits Settlements. *Papulospora* sp., possibly *P. coprophila* which was found apparently responsible for a rot of onion from Mexico, was intercepted at El Paso in March 1940 on garlic from Mexico. *Phoma* sp., an undescribed species previously intercepted from Syria, was taken at El Paso on October 1939 on *Sechium edulis* in baggage from Mexico. *Phoma* sp., unlike any of the species described on the host, was intercepted at San Francisco in June 1939 on *Euphorbia* sp. in mail from Mozambique. *Phomopsis* sp., no species reported on host, was intercepted at San Francisco in January 1940 on *Paeonia moutan* in cargo from Japan. *Sclerotium* sp., sclerotia forming all over the ferns but without evident injury, was found at San Francisco in February 1940 on *Nephrodium glabratum* in mail from New Zealand. *Sphaerulina* sp., no species reported on host, was intercepted at Seattle in December 1939 on *Paeonia moutan* from Japan. *Vermicularia* sp., no species reported on host, was intercepted at San Francisco in June 1939 on *Caralluma* sp. in mail from Mozambique.

Ten of these seventeen fungi were found on plant material offered for entry under special permit, for propagation.

While thousands of incompletely determined interceptions of plant disease and related organisms are never recorded, a total of 8,950 were recorded during the year.

Geographic summary of interceptions listed in main table and interception totals

Country	Insects	Diseases	Country	Insects	Diseases
Africa:	*Number*	*Number*	Europe—Continued.	*Number*	*Number*
Angola	4	0	Italy	128	75
British East Africa	1	0	Malta	0	1
Egypt	8	2	Netherlands	89	482
Italian Somaliland	1	0	Norway	1	4
Liberia	1	0	Poland	7	1
Morocco	14	8	Portugal	21	11
St. Helena	1	0	Rumania	6	7
Sierra Leone	0	4	Scotland	45	0
Southwest Africa	1	0	Spain	6	27
Tanganyika	2	0	Sweden	7	1
Union of South Africa	72	4	Switzerland	7	3
West Africa	4	1	Turkey	8	3
Zanzibar	1	0	Wales	1	0
Asia:			Yugoslavia	1	0
Afghanistan	0	1	North America:		
Arabia	0	3	Bermuda	10	7
Baluchistan	1	0	Canada	13	5
China	12	10	British Columbia	2	0
Cyprus	1	0	Nova Scotia	0	1
India	13	2	Prince Edward Island	1	0
Iran	0	19	Central America:		
Japan	213	52	British Honduras	1	0
Manchuria	4	0	Canal Zone	13	0
Palestine	2	1	Costa Rica	10	1
Straits Settlements	3	2	Guatemala	52	12
Syria	1	1	Honduras	24	6
Taiwan	1	0	Nicaragua	6	0
Thailand	2	1	Panama	15	2
Australasia:			Salvador	2	0
American Samoa	1	0	Mexico	8,074	539
Australia	8	4	Newfoundland	3	1
Cook Islands	1	0	West Indies:		
Fiji Islands	1	0	American Virgin Islands	4	0
Hawaii	43	0	Antigua	5	1
Java	8	7	Bahamas	10	2
New South Wales	0	1	Barbados	2	0
New Zealand	4	1	British West Indies	1	0
Philippines	30	4	Cuba	383	204
Tonga Islands	1	0	Dominica	5	0
Europe:			Dominican Republic	11	1
Azores	5	0	Dutch West Indies	2	0
Belgium	302	30	Grenada	2	0
Denmark	24	5	Guadeloupe	1	0
England	91	25	Haiti	6	2
Estonia	1	0	Jamaica	51	9
Finland	3	0	Martinique	1	0
France	97	39	Puerto Rico	38	13
Germany	9	19	St. Kitts	1	0
Greece	8	1	St. Vincent	2	1
Hungary	25	6	Trinidad	33	1
Ireland	4	11	Virgin Islands	0	1

Geographic summary of interceptions listed in main table and interception totals—Continued

Country	Insects	Diseases
South America:	*Number*	*Number*
Argentina	10	3
Brazil	75	13
Chile	21	9
Colombia	66	24
Dutch Guiana	1	0
Ecuador	4	1
Peru	3	3
South America	2	0
Uruguay	0	11
Venezuela	40	6
Total:		
Africa	110	19
Asia	253	92

Country	Insects	Diseases
Total—Continued.	*Number*	*Number*
Australasia	97	17
Europe	896	751
North America	8,784	809
South America	222	70
Total	10,362	1,758
Total (common pests, p. 4)	39,711	15,131
Total (incompletely determined pests, p. 5)	5,680	8,950
Total insects	55,753	
Total diseases		25,839
Grand total		81,592

NOTE.—In addition to the countries named above, interceptions including those of common pests (p. 4) and of incompletely determined pests (p. 5) were made from Algeria, Austria, British Guiana, Bulgaria, Canary Islands, Czechoslovakia, Dutch East Indies, French Cameroons, Gibraltar, Gold Coast, Guam, Montserrat, Mozambique, Nigeria, Rhodesia, St. Lucia, Sumatra, Surinam, Tahiti, Tasmania, Tortola Island, Tunis, and Wake Island.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS							
Acalypta musci (Tingitidae):							
Moss packing around plants	Switzerland		1				Ill.
Acalypta parvula (Tingitidae):							
Ficus sp.	Italy	1					Calif.*
Acanalonia laticosta (Fulgoridae):							
Prosopis sp. (mesquite)	Mexico	1		1			Tex.
Acanthoscelides armitagei (Bruchidae):							
Cajanus indicus (pigeon pea)	Trinidad		1				D. C.
Acanthoscelides dominicanus (Bruchidae):							
Acacia farnesiana (huisache)	Mexico	1					La.
Caesalpinia coriaria (divi-divi).	Mexico, Nicaragua	2					La., N. Y.
Acanthoscelides spinipes (Bruchidae):							
Acacia farnesiana (acacia)	Greece			1			N. Y.
Acmaeodera tubulus (Buprestidae):							
Brassica oleracea capitata (cabbage).	Mexico			1			Tex.
Acrolepia assectella (Hyponomeutidae):							
Allium porrum (leek)	Italy, Sweden					6	Md., N. Y., Pa.
Adoxophyes privatana (Tortricidae):							
Euonymus sp.	Japan					1	Wash.
Aeolothrips duvali (Aeolothripidae):							
Chrysanthemum sp.	Mexico			1			Tex.
Daisy	do			1			Tex.
Agallia producta (Cicadellidae):							
Lactuca sativa (lettuce)	do			2			Tex.
Matricaria chamomilla coronata (manzanilla).	do			1			Tex.
Agriotes sp. (Elateridae):							
Cynara cardunculus (cardoon)	Italy					1	N. Y.
Agromyza sp., very close to *burgessi* (Agromyzidae):							
Phaseolus sp. (string bean)	Mexico	1					Ariz.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
Agromyza sp. (Agromyzidae)—Con.							
Allium porrum (leek)	Italy					2	N. Y.
Alopecurus longearistatus	Manchuria		1				D. C.
Apium graveolens (celery)	Argentina, Cuba	2				1	N. Y.
Brassica chinensis (white greens).	Cuba	19					N. Y.
Brassica oleracea botrytis (cauliflower).	France					1	N. Y.
Brassica oleracea capitata (cabbage).	Italy, Netherlands					2	Ala., Ga.
Brassica rapa (turnip)	France					1	N. Y.
Brassica sp. (mustard)	Cuba	15					N. Y.
Capsicum annuum (pepper)	Mexico	8					Ariz., Tex.
Coriandrum sativum (coriander).	Cuba	1					N. Y.
Daucus carota (carrot)	Brazil, Mexico			2		1	N. Y., Tex.
Helianthus sp. (Mexican sunflower).	Mexico			1			Tex.
Medicinal herb	Japan		1				Wash.
Iris kaempferi (Japanese iris)	do	1					Calif.*
Lactuca sativa (lettuce)	Italy					1	N. Y.
Lycopersicum esculentum (tomato).	Mexico	16		4			Ariz., Tex.
Matricaria chamomilla coronata (manzanilla).	do			1			Tex.
Mentha sp. (mint)	do			1			Tex.
Orchid	Canal Zone		1				D. C.
Phaseolus sp. (string bean)	Mexico			15			Ariz.
Pisum sativum (pea)	Cuba	1					N. Y.
Prunus mahaleb (mahaleb)	Rumania		1				D. C.
Raphanus sativus (radish)	Mexico			1			Tex.
Tagetes sp. (marigold)	Jamaica, Mexico			2			N. Y., Tex.
Tithonia sp. (Mexican sunflower).	Mexico			1			Tex.
Tropaeolum sp. (nasturtium)	do		1				Tex.
Zinnia sp.	do			1			Tex.
Aleurocanthus woglumi (Aleyrodidae):							
Citrus aurantifolia (lime)	Dominica, Jamaica	1	1				Ill., Mass.
Citrus limetta (sweet lime)	Cuba			1			Fla.*
Citrus limonia (lemon)	do			1			N. Y.
Citrus sinensis (orange)	do			1			Fla.*
Aleurodicus manni (Aleyrodidae):							
Gardenia florida (Cape-jasmine).	Mexico	1					Tex.
Aleuroplatus mammaeferus (Aleyrodidae):							
Codiaeum sp. (croton)	Japan				1		Pa.
Allantus cinctus (Tenthredinidae):							
Rosa chinensis manetti (manetti).	Ireland, Netherlands	4					N. Y.
Rosa sp.	British Columbia, England, Ireland.	1	3				D. C., Wash.
Allocoris incognita (Cydnidae):							
Antirrhinum majus (snapdragon).	Mexico			2			Ariz., Tex.
Daucus carota (Queen Anne's lace).	do			1			Ariz.
Flowers, mixed	do			4			Ariz., Tex.
Lactuca sativa (lettuce)	do			1			Tex.
Allocoris interupta (Cydnidae):							
Antirrhinum majus (snapdragon).	do			1			Tex.
Alpheias conspirata (Gallerlidae):							
Ananas sativus (pineapple)	do	21					La., Tex.
Alpheias sp. (Gallerlidae):							
Ananas sativus	do	20					La., Tex.
Amblycerus nigromarginatus (Bruchidae):							
Cassia occidentalis	Panama		1				D. C.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—				Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
Amorbia emigratella (Tortricidae):							
Daisy	Mexico			1			Tex.
Gardenia florida (Cape-jasmine)	do	1					Tex.
Lilium longiflorum (Easter lily)	do	1					Tex.
Lycopersicum esculentum (tomato)	do	1					Tex.
Amphicerus cornutus (Bostrichidae):							
Herb	do			2			Tex.
Lactuca sativa (lettuce)	do			1			Tex.
Amphorophora azaleae (Aphiidae):							
Azalea indica	Belgium, Netherlands	4					D. C.
Anacaena globulus (Hydrophilidae):							
Forest litter and sphagnum moss	Denmark	1					N. Y.
Anacentrinus blanditus (Curculionidae):							
Lactuca sativa (lettuce)	Mexico			1			Tex.
Anaphothrips orchidaceus (Thripidae):							
Camellia japonica (camellia)	do	1					Tex.
Mixed flowers	do	1					Tex.
Odontoglossum sp. (orchid)	England	1					Calif.*
Orchid	Colombia, England, Guatemala Mexico.	13		4			Tex.
Anaphothrips orchidii (Thripidae):							
Anthurium scherzerianum	Japan	3					Hawaii.*
Renanthera sp. (orchid)	Phillippines		1				D. C.
Anaphothrips secticornis (Thripidae):							
Echeveria sp.	Ecuador		1				D. C.
Anasa uhleri (Coreidae):							
Empty railway car	Mexico						Tex.
Anastrepha distincta (Trypetidae):							
Inga sp.	do			1			Ariz.
Anastrepha fraterculus (Trypetidae):							
Amygdalus persica (peach)	do			2			Tex.
Anastrepha ludens (Trypetidae):							
Amygdalus persica (peach)	do			1			Tex.
Casimiroa edulis (white sapote)	do			1			Tex.
Citrus aurantium (sour orange)	do			3			Tex.
Citrus grandis (grapefruit)	do			11		1	La., Tex.
Citrus limetta (sweet lime)	do			8			Ariz., Tex.
Citrus limonia ponderosa (ponderosa lemon)	do			1			Tex.
Citrus nobilis deliciosa (tangerine)	do			1			Tex.
Citrus sinensis (orange)	do			148	2	4	Ala., Md., N.Y., Tex.
Cydonia oblonga (quince)	do			7			Tex.
Mangifera indica (mango)	do	3		33			Tex.
Mangifera indica (in railway car)	do						Tex.
Persea americana (avocado)	do			5			Tex.
Punica granatum (pomegranate)	do			2			Tex.
Pyrus communis (pear)	do			9			Tex.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
Anastrepha mombinpraeoptans (Trypetidae):							
Mangifera indica (mango)	Cuba, Dominican Republic, Haiti, Jamaica, Mexico, Puerto Rico.	1		18	2	1	La., Mass., N. Y., Tex., Va.
Psidium guajava (guava)	Puerto Rico			2			N. Y.
Spondias sp.	American Virgin Islands.			1			P. R.
Anastrepha serpentina (Trypetidae):							
Achras sapota (sapodilla)	Trinidad			1			N. Y.
Citrus sinensis (orange)	do					1	Mass.
Mammea americana (mamey)	Mexico			2	1		Tex.
Sapote	Honduras, Mexico			1	2		La., Tex.
Anastrepha suspensa (Trypetidae):							
Psidium guajava (guava)	Cuba, Puerto Rico			2	1		Fla.,* N. Y.
Anastrepha sp., probably *fraterculus* (Trypetidae):							
Amygdalus persica (peach)	Mexico			1			Tex.
Citrus grandis (grapefruit)	Argentina					1	N. Y.
Prunus armeniaca (apricot)	Mexico			1			Tex.
Anastrepha sp., probably *ludens* (Trypetidae):							
Pyrus communis (pear)	do			1			Tex.
Anastrepha sp., probably *mombinpraeoptans* (Trypetidae):							
Mangifera indica (mango)	Cuba, Honduras, Jamaica.			2		1	N. Y.
Anastrepha sp., probably *serpentina* (Trypetidae):							
Achras sapota (sapodilla)	Colombia, Trinidad	1		1			N. Y.
Chrysophyllum cainito (star-apple).	Honduras			1			La.
Anastrepha sp. (Trypetidae):							
Amygdalus persica (peach)	Mexico			8			Tex.
Chrysophyllum cainito	Guatemala			1			Tex.
Citrus grandis (grapefruit)	Argentina					1	Md.
Citrus sinensis (orange)	Mexico			5			Tex.
Cydonia oblonga (quince)	do			4			Tex.
Malus sylvestris (apple)	do			2			Tex.
Mangifera indica (mango)	Costa Rica, Haiti, Mexico, Panama, Trinidad.			2	1	3	Calif.,* La., Mass., N. Y., Tex.
Persea americana (avocado)	Mexico			1			Tex.
Psidium guajava (guava)	do			2			Tex.
Pyrus communis (pear)	do			10			Tex.
Sapote	do			1			Tex.
Andricus glandium (Cynipidae):							
Quercus sp.	Turkey	2					N. Y.
Andricus ruginosus (Cynipidae):							
Unknown root	Mexico			1			Tex.
Anoplodera crassipes (Ceramby cidae):							
Rosa sp.	Canada			1			Wash.
Anthonomus funereus (Curculionidae):							
Orchid	Mexico			1			D. C.
Anthonomus mexicanus (Curculionidae):							
Mixed cut flowers	do			1			Tex.
Anthonomus rectirostris (Curculionidae):							
Prunus avium sylvestris	Denmark	1					N. Y.
Antliarhinus zamiae (Curculionidae):							
Encephalartos kosiensis	Union of South Africa		1				D. C.
Encephalartos sp.	England		1				N. Y.
Anuraphis cynariella (Aphiidae):							
Cynara scolymus (globe artichoke).	Greece					1	N. Y.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
Aonidiella comperei (Coccidae):							
Citrus aurantifolia (lime)	Dominica, Guatemala	4				1	Mass., Pa.
Aphis rumicis (Aphiidae):							
Euonymus europaeus	England		1				D. C.
Apion flavipes (Curculionidae):							
Forest litter and sphagnum moss.	Denmark	1					N. Y.
Apion pomonae (Curculionidae):							
Vicia sp. (vetch)	England, France, Netherlands.	7					Ill., La., Md., N. Y.
Archimerus scutellaris (Coreidae):							
Orchid	Mexico	1					Calif.*
Arvelius elbopunctatus (Pentatomidae):							
Capsicum annuum (pepper)	do	1					Tex.
Ascia monuste (Pieridae):							
Brassica chinensis (white greens).	Cuba	2					N. Y.
Brassica sp. (mustard)	do	2					N. Y.
Aspidiotus coryphae (Coccidae):							
Cocos nucifera (coconut)	Philippines	2					Hawaii,* N. Y.
Aspidiotus destructor (Coccidae):							
Camellia japonica (camellia)	Japan	1					Wash.
Carica papaya (papaya)	Cuba	1					Fla.*
Cocos nucifera (coconut)	Bahamas, Brazil, Cook Islands, Cuba.	1		4		1	Fla.*, Hawaii* N. Y.
Musa sp. (banana)	Guatemala, Panama	2					Calif.*, Fla.*
Palm	Haiti, Straits Settlements.			1	1		Md., Mass.
Roystonea regia (royal palm)	Cuba			4			Fla.*
Terminalia catappa (tropical almond).	Bahamas, Cuba			3			Fla.*
Aspidiotus fabernii (Coccidae):							
Unknown bark	Cuba			1			Fla.*
Aspidiotus herculeanus (Coccidae):							
Annona muricata (sour-sop)	Bahamas			1			Fla.*
Aspidiotus spinosus (Coccidae):							
Mammea americana (mamey)	Cuba, Trinidad			6			Fla.*
Persea americana (avocado)	Cuba	1					Fla.*
Asterolecanium aureum (Coccidae):							
Cattleya sp. (orchid)	Brazil, Costa Rica	1	1				D. C.
Epidendrum sp. (orchid)	Mexico			1			D. C.
Oncidium varicosum rogersi (orchid).	Brazil	1					D. C.
Oncidium sp. (orchid)	Mexico, Venezuela	1		1			Calif.*, D. C.
Orchid	Dominican Republic, Trinidad.			2			D. C., P. R.
Asterolecanium stentae (Coccidae):							
Euphorbia sp	Union of South Africa		1				D. C.
Asterolecanium urichi (Coccidae):							
Guilielma gasipaes (pejibaye)	Brazil	1					D. C.
Ataenius terminalis (Scarabaeidae):							
Capsicum annuum (pepper)	Cuba	1					N. Y.
Aufeius impressicollis (Coreidae):							
Mixed flowers	Mexico			1			Ariz.
Aulacaspis mangiferae (Coccidae):							
Mangifera indica (mango)	Grenada, Trinidad, Venezuela.			5			N. Y., P. R.
Autographa sp. (Phalaenidae):							
Antirrhinum majus (snapdragon).	Cuba					1	N. Y.
Apium graveolens (celery)	do	1					N. Y.
Beta vulgaris cicla (Swiss chard).	Mexico	1					Tex.
Brassica chinensis (white greens).	Cuba	5					N. Y.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
Autographa sp (Phalaenidae)—Continued *Brassica oleracea botrytis* (cauliflower).	France, Mexico			8		1	Ariz., N. Y., Tex.
Brassica oleracea capitata (cabbage).	Mexico			7			Ariz., Tex.
Brassica rapa (turnip)	do	1					Tex.
Brassica sp. (mustard)	do	15					Ariz., Tex.
Capsicum annuum (pepper)	do	1					Ariz.
Coriandrum sativum (coriander).	Cuba	1					N. Y.
Gardenia florida (Cape-jasmine).	Mexico	1					Tex.
Lactuca sativa (lettuce)	do	1		66			Ariz., Tex.
Lycopersicum esculentum (tomato).	do			1			Tex.
Petroselinum hortense (parsley).	do	1					Tex.
Radicula nasturtium aquaticum (watercress).	do			1			Tex.
Raphanus sativus (radish)	do	1					Tex.
Baldulus elimatus (Cicadellidae): *Lactuca sativa* (lettuce)	do			1			Tex.
Barathra brassicae (Phalaenidae): *Brassica oleracea botrytis* (cauliflower).	Belgium					1	Ga.
Brassica oleracea capitata (cabbage).	Belgium, Netherlands					3	Ga., La., N. Y.
Baris lepidii (Curculionidae): *Radicula armoracia* (horseradish).	Poland					7	N. Y.
Berginus nigricolor (Lyctidae): Mixed flowers	Guatemala			1			Tex.
Bitoma parallela (Colydiidae): Hardwood log	Philippines	1					Wash.
Bolbonota pictipennis (Membracidae): Unidentified flowers	Honduras			1			La.
Brachylacon murinus (Elateridae): *Paeonia* sp. (peony)	Yugoslavia			1			N. Y
Brachyrhinus porcatus (Curculionidae): *Azalea indica* (azalea)	Belgium	1					D. C
Brachyrhinus rugosostriatus (Curculionidae): Packing around rose cuttings	France		1				D. C.
Brachyrhinus sp. (Curculionidae): *Astilbe* sp.	Netherlands	3	1				D. C.
Sinningia speciosa (gloxinia)	Belgium	1					N. Y.
Soil around plants	Canada			1			Wash.
Soil on roots of *Berberidopsis* sp.	England		1				D. C.
Brachystylus tamaulipanus (Curculionidae): Miscellaneous leaves	Mexico			1			Tex.
Brentus mexicanus (Brentidae): *Tabebuia donnell-smithii* (primavera).	Honduras	1					N. Y.
Brochymena aculeata (Pentatomidae): *Tamarix juniperina* (juniper tamarix).	Mexico			1			Tex.
Brochymena sulcata (Pentatomidae): *Delphinium* sp. (larkspur)	do			1			Tex.
Brontes australis (Cucujidae): *Grevillea robusta* (silk-oak)	Australia	1					N. Y.
Bruchidius gilvus (Bruchidae): *Hedysarum coronarium* (French-honeysuckle).	Italy		1				N. Y.
Hedysarum sp	do		1				D. C.
Onobrychis sp	do		1				D. C.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
Bruchidius lividimanus retamae (Bruchidae):							
Cytisus sessilifolius	Italy	1					N. Y.
Bruchidius villosus (Bruchidae):							
Cytisus laburnum	France		1				D. C.
Cytisus purpureus	Switzerland		1				D. C.
Cytisus sessilifolius	Italy	1					N. Y.
Cytisus sp	do		1				Mich.
Genista anxantica	Switzerland		1				D. C.
Genista sp	do		1				D. C.
Laburnum alpinum	France	1					N. Y.
Spartium junceum (Spanish broom).	England, Germany		2				D. C., Pa.
Bruchus affinis (Bruchidae):							
Lathyrus latifolius (perennial pea).	Netherlands		1				Ill.
Lathyrus odoratus (sweet pea)	Germany, Netherlands		2				Mich., N. Y.
Lathyrus sp	England, France, Netherlands.		3				D. C., Mich.
Vicia sp. (vetch)	Rumania	1					N. Y.
Bruchus brachialis (Bruchidae):							
Vicia villosa (hairy vetch)	Germany, Hungary	13	2				Ala., D. C., Pa., Va.
Vicia sp. (vetch)	Hungary, Italy	7	6				Ala., D.C., N.Y., Pa., Va.
Bruchus ervi (Bruchidae):							
Lens esculenta (lentil)	Syria	1					N. Y.
Bruchus lentis (Bruchidae):							
Lens esculenta (lentil)	Cyprus	1					N. Y.
Bruchus loti (Bruchidae):							
Rye straw jacket with vetch	France	1					Ala.
Bruchus luteicornis (Bruchidae):							
Vicia angustifolia	do	1					La.
Vicia sp. (vetch)	England, France, Greece, Jamaica, Netherlands, Portugal, Rumania, Scotland, Spain.	50					Ala., D. C., Ill., La., Md., Mass., N. Y., Pa., Wash.
Bruchus pallidicornis (Bruchidae):							
Lens esculenta (lentil)	Italy		1				D. C.
Bruchus rufipes (Bruchidae):							
Vicia sp. (vetch)	France, Hungary, Rumania.	4	2				D. C., Ill., La., N. Y.
Bruchus tristiculus (Bruchidae):							
Seed	Portugal		1				Pa.
Bucculatrix sp., probably *thurberiella* (Bucculatricidae):							
Gossypium sp. (cotton) (boll)	Mexico			2			Ariz., Tex.
Bythoscopus miselius (Cicadellidae):							
Chrysanthemum parthenium (feverfew).	do	1					Tex.
Callirhytis glandulosa (Cynipidae):							
Quercus sp. (acorn)	Turkey	1					N. Y.
Callosobruchus ademptus (Bruchidae):							
Pueraria thunbergiana (kudzu).	France, Japan, Netherlands.	12	4				Ala., D. C., Md., Mich., N. Y., Wash.
Callosobruchus analis (Bruchidae):							
Cicer arietinum (chickpea)	India	1					Ga.
Vigna sinensis (cowpea)	Baluchistan	1					D. C.
Callosobruchus chinensis (Bruchidae):							
Bean	China, Italy, Japan	1	1	1			Mass., N. Y., Wash.
Cajanus indicus (pigeon pea)	Hawaii		1				Hawaii.*
Phaseolus mungo radiatus	Japan		1				Wash.
Phaseolus sp. (string bean)	China, Japan			1		1	Hawaii,* Wash.
Tamarindus indica (tamarind).	Egypt		1				D. C.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
Carsidara dugesii (Psyllidae):							
Mixed flowers	Mexico			1			Tex.
Caryedon fuscus (Bruchidae):							
Tamarindus indica (tamarind).	Jamaica		1				Mich.
Caryedon sp. (Bruchidae):							
Bolusanthus speciosus	Union of South Africa		1				D. C.
Cordeauxia edulis	Italian Somaliland		1				D. C.
Peltophorum sp	Union of South Africa		1				D. C.
Castnia sp. (Castniidae):							
Bromeliad	Brazil			1			D. C.
Oncidium varicosum (orchid)	do	1					Calif.*
Cephaloleia pretiosa (Chrysomelidae):							
Heliconia latispatha	Panama	1					Tex.
Cerapachys augustae (Formicidae):							
Plants in soil	Mexico			1			Tex.
Ceratitis capitata (Trypetidae):							
Capsicum annuum (pepper)	Hawaii					2	Calif.*
Citrus aurantium (bitter orange).	Italy	2					N. Y.
Citrus nobilis deliciosa (tangerine).	Brazil					1	Mass.
Citrus sinensis (orange)	Portugal, Spain				1	2	Mass., N. Y., Tex
Coffea sp. (coffee)	Hawaii			1			Calif.*
Opuntia compressa (prickly-pear).	Italy			1			N. Y.
Persea americana (avocado)	Hawaii	1		2			Calif.*
Pyrus communis (pear)	Italy			1	1		Mass., N. Y.
In box containing pears and apples.	Germany			1			N. Y.
On cases of bitter oranges and in hold of ship.	Italy	2					N. Y.
On wall in hold of ship	do				1		Tex.
On deck on which oranges had been stored (4 interceptions).	do						La.
Ceratitis sp. (Trypetidae):							
Citrus grandis (grapefruit)	Palestine, Union of South Africa.					4	Mass., N. Y., Pa.
Ceratocapsus punctulatus (Miridae):							
Chrysanthemum sp	Mexico			1			Tex.
Lactuca sativa (lettuce)	do			1			Tex.
Cercyon melanocephalus (Hydrophilidae):							
Forest litter and sphagnum moss.	Denmark	1					N. Y.
Cercyon quisquilius (Hydrophilidae):							
Tabebuia donnell-smithii (primavera).	Honduras	1					N. Y.
Ceroplastes rubens (Coccidae):							
Anthurium sp	Hawaii			1			Calif.*
Camellia japonica (camellia)	Japan	5	1				Calif.*, Wash.
Palm	Hawaii				1		Calif.*
Ceroplastes rusci (Coccidae):							
Ficus carica (fig)	Italy			2			N. Y.
Cerotoma atrofasciata (Chrysomelidae):							
Oncidium cavendishianum (orchid).	Guatemala	1					Calif.*
Ceutorhynchus atomus (Curculionidae):							
Forest litter and sphagnum moss.	Denmark	1					N. Y.
Ceutorhynchus contractus (Curculionidae):							
Forest litter and sphagnum moss.	do	1					N. Y.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
Ceutorhynchus pleurostigma (Curculionidae):							
Brassica rapa (turnip)	England, France, Netherlands, Scotland, Sweden.					23	La., N. Y., Tex.
Ceutorhynchus quadridens (Curculionidae):							
Brassica oleracea botrytis (cauliflower).	Italy					2	N. Y.
Ceutorhynchus sp., possibly *rapae* (Curculionidae):							
Brassica oleracea capitata (cabbage).	do					1	Ala.
Ceutorhynchus sp. (Curculionidae):							
Brassica campestris (rutabaga)	England, France, Netherlands.					12	Md., N. Y., Pa., Tex.
Brassica oleracea botrytis	Italy, Scotland					8	N. Y.
Brassica oleracea capitata (cabbage).	France, Italy, Portugal					4	La., N. Y.
Brassica rapa (turnip)	Belgium, England, Estonia, France, Germany, Italy, Morocco, Netherlands, Scotland, Spain, Sweden, Wales.	1				64	Ala., Ga., La., Md., Mass., N. Y., Pa., S. C., Tex., Va.
Lactuca sativa (lettuce)	Italy					1	N. Y.
Chaetopsis fulvifrons (Otitidae):							
Zantedeschia aethiopica (calla lily).	Mexico	1					Tex.
Chalcodermus sp. (Curculionidae):							
Phaseolus sp. (string bean)	Cuba, Mexico			1		1	Tex.
Chilo simplex (Crambidae):							
Oryza sativa (rice)	Japan	1	4	1			Hawaii*, La., Mass., Pa., Wash.
Chilo sp. (Crambidae):							
Andropogon citratus	Mexico			1			Calif.
Saccharum officinarum (sugarcane).	do	1		3			Ariz.
Zea mays (corn)	do			1			Ariz.
Chionaspis humilis (Coccidae):							
Haworthia sp.	Southwest Africa		1				D. C.
Chionaspis yunnanensis (Coccidae):							
Citrus nobilis (king orange)	Japan					2	Calif.*
Citrus nobilis deliciosa (Mandarin orange).	do	9					Wash.
Citrus nobilis deliciosa (tangerine).	do					1	Pa.
Citrus sinensis (orange)	do					1	N. Y.
Chirothrips falsus (Thripidae):							
Gardenia florida (Cape-jasmine).	Mexico			1			Tex.
Mixed flowers	do	1					Tex.
Orchid	do	1					Tex.
Chrysobothris guatimalensis (Buprestidae):							
Airplane	do					1	Tex.
Chrysolina brunsvicensis (Chrysomelidae):							
Forest litter and sphagnum moss.	Denmark	1					N. Y.
Chrysolina varians centaura (Chrysomelidae):							
Unknown plant	Belgium		1				D. C.
Chrysomphalus bowreyi (Coccidae):							
Orchid	Honduras			1			La.
Chrysomphalus dictyospermi var. (Coccidae):							
Camellia japonica (camellia)	Mexico	1					Tex.
Mangifera indica (mango)	Grenada			1			N. Y.
Persea americana (avocado)	Mexico			2			Tex.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
Chrysomphalus nigropunctatus (Coccidae):							
Orchid	Mexico	1					Tex.
Chrysomphalus odontoglossi (Coccidae):							
Orchid	Jamaica		1				D. C.
Chrysomphalus personatus (Coccidae):							
Citrus grandis (grapefruit)	Mexico			1			Tex.
Citrus limonia (lemon)	Brazil					1	Mass.
Citrus sinensis (orange)	do					1	Fla.*
Persea americana (avocado)	Mexico			1			Tex.
Unidentified leaf	American Virgin Islands		1				N. Y.
Chrysomphalus umboniferus (Coccidae):							
Orchid	Venezuela			1			N. Y.
Clerada apicicornis (Lygaeidae):							
Solanum melongena (eggplant)	Cuba	1					N. Y.
Cligenes delineata (Lygaeidae):							
Unknown leaf	Mexico			1			Tex.
Coccotrypes bassiaeverus (Scolytidae):							
Cocos sp. (palm)	Brazil		1				D. C.
Coccotrypes dactyliperda (Scolytidae):							
Phoenix sp	France		1				D. C.
Coccotrypes pygmaeus (Scolytidae):							
Livistona chinensis (Chinese fan palm)	Tanganyika		1				Hawaii.*
Coccus viridis (Coccidae):							
Bryophyllum sp	Jamaica		1				N. Y.
Citrus sinensis (orange)	Dominican Republic			1			N. Y.
Coffea sp. (coffee)	Brazil, Colombia, Hawaii, Jamaica, Puerto Rico.	1		4	1		Calif.*, D. C., Fla., N. Y.
Gardenia florida (Cape-jasmine)	Cuba, Hawaii, Jamaica, Venezuela.			28	10		Calif.*, Fla.*
Ixora sp	Trinidad			1			Fla.*
Lagerstroemia sp	Jamaica			1			D. C.
Psidium guajava (guava)	Cuba			1			Fla.*
Conchaspis angraeci (Coccidae):							
Cattleya sp. (orchid)	Venezuela	1					D. C.
Laelia rubescens (orchid)	Costa Rica		1				D. C.
Orchid	Canal Zone		2	1			D. C., P. R.
Vanilla sp. (orchid)	Ecuador	1					P. R.
Conotrachelus flavangulus (Curculionidae):							
Cydonia oblonga (quince)	Mexico			1			Tex.
Conotrachelus leucophaeatus (Curculionidae):							
Dahlia sp	do	1					Tex.
Conotrachelus sp., possibly *nenuphar* (Curculionidae):							
Amygdalus persica (peach)	do			1			Tex.
Conotrachelus sp., apparently *seniculus* (Curculionidae):							
Spinacia oleracea (spinach)	do			1			Ariz.
Conotrachelus sp. (Curculionidae):							
Achras sapota (sapodilla)	Colombia	2					N. Y.
Anacardium occidentale (cashew)	Canal Zone		1				D. C.
Brassica rapa (turnip)	Mexico	1					Tex.
Eugenia sp	Canal Zone		1				D. C.
Inga sp	Guatemala			1			La.
Myricaria sp	Brazil		1				D. C.
Persea americana (avocado)	Mexico			101			Tex.
Prunus salesii	Guatemala			1			La.
Psidium guajava (guava)	Mexico			2			Tex.
Quercus undulata	do			1			Ariz.
Quercus sp	do	2	1	39			Ariz., Tex.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
Coptotermes formosanus (Rhinotermitidae):							
Cycas sp.	Japan	------	----	1	----	----	Calif.*
Corcyra cephalonica (Galleriidae):							
Burlap covering for forest litter.	Liberia	1	----	------	----	----	N. Y.
Cocos nucifera (coconut)	Philippines	2	----	------	----	----	Hawaii.*
Gossypium sp. (cottonseed)	India, Puerto Rico	------	1	1	----	----	D. C., N. Y.
Oryza sativa (rice)	India	------	----	------	----	4	Ga.
Corizus parumpunctatus (Coreidae):							
Forest litter and sphagnum moss.	Denmark	1	----	------	----	----	N. Y.
Corizus sidae (Coreidae):							
Antirrhinum majus (Snapdragon).	Mexico	------	----	1	----	----	Tex.
Lactuca sativa (lettuce)	do	------	----	1	----	----	Tex.
Mixed flowers	do	------	----	1	----	----	Tex.
Cosmolyce boeticus (Lycaenidae):							
Canavalia sp.	Hawaii, Japan	------	----	3	----	1	Calif.*, Md.
Soja max (soybean)	Japan	------	----	------	----	1	Md.
Creontiades pallidus (Miridae):							
Cichorium endivia (escarole)	Italy	------	----	------	----	1	N. Y.
Crocidosema plebeiana (Olethreutidae):							
Hibiscus esculentus (okra)	Mexico	6	----	1	----	----	Tex.
Hibiscus sp.	Bermuda, Cuba	1	----	1	----	----	La., N. Y.
Cryphula apicatus (Lygaeidae):							
Oncidium cavendishianum (orchid).	Guatemala	1	----	------	----	----	Calif.*
Cryptopleurum atomarium (Hydrophilidae):							
Forest litter and sphagnum moss.	Denmark	1	----	------	----	----	N. Y.
Curculio sp. (Curculionidae):							
Castanea sp. (chestnut)	Azores, Italy, Japan, Portugal.	5	3	3	----	4	Hawaii,* Mass., N. Y., Wash.
Eugenia sp.	Philippines	1	----	------	----	----	Calif.*
Hicoria sp. (hickory)	Mexico	------	----	1	----	----	Tex.
Quercus humilis	Portugal	------	1	------	----	----	D. C.
Quercus suber (cork oak)	do	------	2	------	----	----	D. C.
Quercus undulata (acorn)	Mexico	------	----	1	----	----	Ariz.
Quercus sp. (acorn)	Manchuria, Mexico	------	1	46	----	----	Ariz., Calif.,* Tex.
Cydamus borealis (Coreidae):							
Mixed flowers	Guatemala	------	----	1	----	----	Tex.
Cylas femoralis (Curculionidae):							
Ipomoea batatas (sweetpotato).	Angola, West Africa	1	----	------	----	1	N. Y., Pa.
Cylas formicarius (Curculionidae):							
Ipomoea batatas (sweetpotato).	China, Cuba, Dominican Republic, Haiti, India, Jamaica, Mexico, Puerto Rico.	7	----	39	----	17	Ariz., Hawaii,* La., Md., Mass., N. Y., Pa., Tex., Va.
Cylas puncticollis (Curculionidae):							
Ipomea batatas (sweetpotato)	Angola, Mexico, West Africa.	3	----	------	----	3	Mass., N. Y., Pa.
Cylindrocopturus armatus (Curculionidae):							
Stem of weed	Mexico	------	----	1	----	----	Ariz.
Cymominus notabilis (Lygaeidae):							
Brassica chinensis (white chard).	Cuba	1	----	------	----	----	N. Y.
Cyrtopeltis tenuis (Miridae):							
Antirrhinum majus (snapdragon).	Cuba, Jamaica, Mexico	------	----	3	----	1	Ariz., N. Y.
Brassica chinensis (white greens).	Cuba	21	----	------	----	----	N. Y.
Brassica sp. (mustard)	do	1	----	------	----	----	N. Y.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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Pest and host	Country of origin	Number of interceptions in—					Collected in—
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INSECTS—continued							
Cyrtopeltis tenuis (Miridae)—Con.							
Dianthus chinensis (Chinese pink).	Jamaica			1			N. Y.
Mixed flowers	Guatemala			1			Tex.
Petunia sp.	Jamaica			1			N. Y.
Raphanus sativus (radish)	Cuba	1					N. Y.
Cyrtopeltis varians (Miridae):							
Heliotropium parviflorum (borraja).	Mexico			1			Tex.
Mixed flowers	do			2			Ariz.
Dactylosternum centrale (Hydrophilidae):							
Heliconia latispatha	Panama	1					Tex.
Dacus cucurbitae (Trypetidae):							
In debris in box of cucumbers	Hawaii					1	Calif.*
Dacus oleae (Trypetidae):							
Olea europaea (olive)	Italy, Portugal		14	2			Mass., N. Y., Pa.
Punica granatum (pomegranate) (packed in box with fresh olives).	Italy		1				Pa.
Dacus sp. (Trypetidae):							
Cucurbita pepo (pumpkin)	Union of South Africa					1	N. Y.
Delphacodes campestris (Araeopidae):							
Chenopodium album (lambsquarters).	Mexico			1			Ariz.
Dercynus micronyx (Curculionidae):							
Brownea grandiflora	Trinidad		2				Calif.*
Dialeurodes chittendeni (Aleyrodidae):							
Rhododendron sp.	England		1				Calif.*
Diaphania sp. (Pyraustidae):							
Benincasa hispida (hairy squash).	Cuba	2					N. Y.
Brassica sp. (mustard)	do	1					N. Y.
Cucumis sativus (cucumber)	Cuba, Mexico, Panama, Venezuela.	10				2	Fla.,* La., N. Y., Tex.
Cucurbita maxima (squash)	Cuba, Mexico		7				N. Y., Tex.
Diaspis visci (Coccidae):							
Juniperus sp.	Italy	1					Calif.*
Diaspis zamiae (Coccidae):							
Encephalartos latifrons	Union of South Africa	1					D. C.
Diatraea crambidoides (Crambidae):							
Zea mays (corn)	Bahamas			1			Fla.*
Dikraneura cockerelli (Cicadellidae):							
Brassica sp. (mustard)	Mexico	1					Tex.
Dinoderus bifoveolatus (Bostrichidae):							
Derris sp.	India	1					N. Y.
Gnaphalium vira-vira (huira-huira).	Peru	1					N. Y.
Serjania mexicana (barbasco)	do	1					N. Y.
Unidentified log	Dutch West Indies	1					N. Y.
Diocalandra taitensis (Curculionidae):							
Cocos nucifera (coconut)	Hawaii, Philippines	1		1			Calif.*, Hawaii.*
Disonycha antennata (Chrysomelidae):							
Laelia sp. (orchid)	Mexico	1					Tex.
Dracculacephala minerva (Cicadellidae):							
Lactuca sativa (lettuce)	do			3			Ariz., Tex.
Dracculacephala portola (Cicadellidae):							
Ananas sativus (pineapple)	do	1					La.
Drasterius cribratus (Elateridae):							
Beta vulgaris (beet)	do	1					Tex.
Prosopis sp. (mesquite)	do	1					Tex.

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INSECTS—continued							
Drymus sylvaticus (Lygaeidae):							
Forest litter and sphagnum moss.	Denmark	1					N. Y.
Dysdercus mimulus (Pyrrhocoridae):							
Mixed flowers	Mexico			1			Tex.
Eleodes tricostata (Tenebrionidae):							
Soil around plant	do			1			Tex.
Empoasca abrupta (Cicadellidae):							
Lactuca sativa (lettuce)	do			3			Tex.
Mixed flowers	do			1			Arix.
Empoasca solana (Cidaellidae):							
Beta vulgaris (beet)	do			1			Tex.
Beta vulgaris cicla (Swiss chard).	do			1			Tex.
Gardenia florida (Cape-jasmine).	do	1					Tex.
Lactuca sativa (lettuce)	do			5			Tex.
Endrosis lacteella (Oecophoridae):							
Aglaonema sp	China	1					Wash.
Tulipa sp. (tulip)	Netherlands	1					Wash.
Epicaerus cognatus (Curculionidae):							
Solanum tuberosum (potato)	Mexico	1		22		1	Fla.*, Tex.
Epidiaspis piricola (Coccidae):							
Malus sylvestris (apple)	Italy			2			N. Y.
Pyrus communis (pear)	Japan		1				Wash.
Epilachna varivestis (Coccinellidae):							
Brassica chinensis (Chinese cabbage).	Mexico			1			Tex.
Brassica sp. (mustard)	do	4					Tex.
Epinotia opposita (Olethreutidae):							
Phaseolus lunatus macrocarpus (lima bean).	do	1					Tex.
Phaseolus sp. (string bean)	Mexico, Venezuela	6		103		2	Ariz., Pa., Tex.
Epochra sp. (Trypetidae):							
Ribes sp. (currant)	Mexico			1			Tex.
Eriosoma crataegi (Aphiidae):							
Malus syirestris (apple)	New Zealand					1	Pa.
Malus sp	England	1					D. C.
Ernobius abietis (Anobiidae):							
Picea sp. (spruce)	Germany			1			N. Y.
Eucalandra setulosa (Curculionidae):							
Grass used as packing	Mexico	1					Tex.
Eucnocerus anthrenoides (Dermestidae):							
Zea mays (corn)	do			1			Tex.
Eurrecosomyia nubila (Otitidae):							
Citrus sinensis (orange)	Panama					1	Pa.
Lactuca sativa (lettuce)	Mexico			1			Tex.
Zea mays (corn)	Brazil, Mexico	7	7	4		1	Ariz.,Mass.,Tex.
Eumerus sp. (Syrphidae):							
Allium cepa (onion)	Denmark					1	Pa
Narcissus sp	Netherlands	2					Mass., Va.
Euptery x melissae (Cicadellidae):							
Salcia sp. (sage)	England		1				Pa.
Eurycipitia vestitus (Miridae):							
Lycaste sp. (orchid)	Guatemala	1					D. C.
Oncidium cavendishianum (orchid).	do	1					Calif.*
Oncidium sp. (orchid)	do	1					Calif.*
Orchid	Guatemala, Honduras	4					Calif.*, D. C.
Eurydema oleraceum (Pentatomidae):							
Forest litter and sphagnum moss.	Denmark	1					N. Y.
Euryophthalmus cinctus (Pyrrhocoridae):							
Gardenia florida (Cape-jasmine).	Mexico			1			Tex.

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INSECTS—continued							
Eurytoma orchidearum (Eurytomidae):							
Cattleya gigas (orchid)	Colombia	1					Calif.*
Cattleya mossiae (orchid)	South America	1					Calif.*
Cattleya trianae (orchid)	Colombia	3					Calif.*
Cattleya sp. (orchid)	Colombia, Venezuela	11					Calif.*, D. C.
Euscepes postfasciatus (Curculionidae):							
Ipomoea batatas (sweetpotato)	Brazil, Dominican Republic, Haiti, Hawaii, Jamaica, Trinidad.	1		1	1	27	La., Md., Mass., N. Y., Pa., Tex., Va., Wash.
Euschistus obscurus (Pentatomidae):							
Mixed flowers	Mexico			1			Tex.
Euschistus spurculus (Pentatomidae):							
Oncidium cavendishianum (orchid).	Guatemala	1					Calif.*
Euspermophagus cardui (Bruchidae):							
Undetermined seed	Italy		1				D. C.
Eustictus minimus (Miridae):							
Miscellaneous leaves	Mexico			1			Tex.
Euxesta stigmatias (Otitidae):							
Zea mays (corn)	do	2					Ariz.
Ezitianus obscurinervis (Cicadellidae):							
Flowers	do			1			Ariz.
Ezosoma lusitanica (Chrysomelidae):							
Muscari comosum (cipollino)	Morocco	12					N. Y.
Exptochiomera oblonga (Lygaeidae):							
Capsicum annuum (pepper)	Mexico	2					Ariz.
Lycopersicum esculentum (tomato).	do	2					Ariz.
Solanum melongena (eggplant).	do	1					Ariz.
Exptochiomera tumens (Lygaeidae):							
Cattleya sp. (orchid)	Venezuela	1					D. C.
Faustinus cubae (Curculionidae):							
Capsicum annuum (pepper)	Cuba	2					N. Y.
Forficula auricularia (Forficulidae):							
Brassica oleracea capitata (cabbage).	Spain					1	Pa.
Calluna vulgaris (heather)	Scotland		2				Mass., N. Y.
Malus sylvestris (apple)	Portugal					1	Pa.
Packing around *Galenia* sp. roots.	Canada		1				Wash.
Packing around budsticks	Netherlands	1					D. C.
Tulipa sp. (tulip)	do	1					Mich.
Vallota purpurea	England		1				Calif.*
Forsebia periaeta (Phalaenidae):							
Pisum sativum (pea)	Mexico	1					Ariz.
Frankliniella cephalica (Thripidae):							
Calendula sp.	do			1			Tex.
Cochlospermum vitifolium	Panama	1					Tex.
Chrysanthemum sp.	Mexico			2			Tex.
Daisy	do			2			Tex.
Mixed flowers	do			1			Ariz.
Rosa sp.	do	1		1			Tex.
Frankliniella cubensis (Thripidae):							
Lathyrus odoratus (sweet pea)	Cuba				1		Fla.*
Rosa sp.	do			8	6		Fla.*

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		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
Frankliniella fortissima (Thripidae):							
Antirrhinum majus (snapdragon).	Mexico	1		13			Tex.
Chrysanthemum maximum (Shasta daisy).	do	1					Tex.
Chrysanthemum sp	do			5			Tex.
Dahlia sp	do			1			Tex.
Daisy	do			2			Tex.
Dianthus sp. (carnation)	do	2					Tex.
Lilium sp. (lily)	do	1					Tex.
Mixed flowers	do			12			Ariz., Tex.
Rosa sp	do	1		9			Ariz., Tex.
Scabiosa sp. (pincushion flower).	do			1			Tex.
Frankliniella insularis (Thripidae):							
Antirrhinum majus (snapdragon).	Cuba, Jamaica			1		1	N. Y.
Chrysanthemum sp	Bermuda			1			N. Y.
Dahlia sp	Cuba			1			N. Y.
Gladiolus sp	Bermuda			1			N. Y.
Orchid	Colombia			1			N. Y.
Rosa sp	Bahamas, Cuba				1		Fla.*
Frankliniella melanommatus (Thripidae):							
Dianthus chinensis (Chinese pink).	Jamaica			1			N. Y.
Gerberia sp	do			1			N. Y.
Lilium sp	Bermuda			1			N. Y.
Frankliniella schultzei (Thripidae):							
Ornithogalum thyrsoides (chinkerichee).	Union of South Africa		51	1			N. Y.
Frankliniella tenuicornis (Thripidae):							
Azalea indica (azalea)	Belgium	1					D. C.
Mentha sp. (mint)	Netherlands					1	N. Y.
Frankliniella williamsi (Thripidae):							
Allium cepa (onion)	Mexico			1			Ariz.
Centaurea cyanus (cornflower).	do			2			Tex.
Chrysanthemum sp	do			1			Tex.
Herb	do			1			Tex.
Lactuda sativa (lettuce)	do			5			Tex.
Mentha sp. (mint)	do			1			Tex.
Mixed flowers	do			1			Tex.
Petroselinum hortense (parsley).	do			1			Tex.
Rosa sp	do			1			Tex.
Zea mays (corn)	do	3		86			Ariz., Tex.
Franklinothrips vespiformis (Aeolothripidae):							
Brassica chinensis (white greens).	Cuba	14					N. Y.
Brassica sp. (mustard)	do	12					N. Y.
Capsicum annuum (pepper)	Mexico	1					Ariz.
Mixed flowers	do			1			Tex.
Pisum sativum (pea)	Cuba	1					N. Y.
Fulvius bisbistillatus (Miridae):							
Cattleya spp	Colombia	1					Calif.*
Fulvius quadristellatus (Miridae):							
Heliconia latispatha	Panama	1					Tex.
Fulvius sp. (Miridae):							
Cattleya sp	Venezuela	1					D. C.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
Furcaspis biformis (Coccidae):							
Brassavola nodosa (orchid)	Canal Zone	1					Hawaii.*
Cattleya gigas (orchid)	Colombia	1					Calif.*
Cattleya percivaliana (orchid)	Venezuela			1			N. Y.
Cattleya trianae (orchid)	Colombia, Hawaii	2		1			Calif.*
Cattleya sp. (orchid)	Colombia, Venezuela	10					Calif.*, D. C.
Epidendrum atropurpureum	Canal Zone, Philippines	1	2				Calif.*, Hawaii.*
Epidendrum sp. (orchid)	Canal Zone	1					Calif.*
Oncidium panamense (orchid)	Panama		1				Hawaii.*
Oncidium sp. (orchid)	Brazil, Canal Zone, Trinidad.	2		2			Calif.*, D. C., P. R.
Orchid	Cuba, Hawaii, Venezuela.	2		2			Calif.*, Fla.*, P. R.
Galgupha punctifer (Cydnidae):							
Soil around orchid plant	Mexico	1					Tex.
Gastrothrips sp. (Phlaeothripidae):							
Rosa sp	do			1			Tex.
Gelechia ericetella (Gelechiidae):							
Calluna vulgaris (heather)	Scotland	2					Mass., Pa.
Geocoris sonoraensis (Lygaeidae):							
Cucurbita maxima (squash)	Mexico	1					Calif.*
Geomus parvulus (Cydnidae):							
Lycopersicum esculentum (tomato).	do	1					Tex.
Gerstaeckeria mutillaria (Curculionidae):							
Mammillaria pseudoschideana (cactus).	do		1				Calif.*
Gnorimoschema gudmannella (Gelechiidae):							
Capsicum annuum (pepper)	Cuba, Mexico	124		19			Ariz., N. Y., Tex.
Lycopersicum esculentum (tomato).	Mexico	1		1			Ariz., Tex.
Gracilia minuta (Cerambycidae):							
Salix sp. (willow)	Belgium, England, Netherlands.	8					N. Y.
Grapholitha saltitans (Olethreutidae):							
Sebastiania sp	Mexico			1			Hawaii.*
Grapholitha sp., probably *molesta* (Olethreutidae):							
Amygdalus persica (peach)	Japan					1	Wash.
Prunus domestica (plum)	do					1	Wash.
Grapholitha sp (Olethreutidae):							
Amygdalus persica (peach)	Italy, Mexico			1		1	Mass., Tex.
Cydonia oblonga (quince)	Mexico			3			Tex.
Malus sylvestris (apple)	do			2			Tex.
Pyrus communis (pear)	Japan			1			Wash.
Gymnaspis aechmeae (Coccidae):							
Aregelia sp	Brazil			1			D. C.
Gynaikothrips uzeli (Phlaeothripidae):							
Ficus indica (fig)	Cuba				11		N. Y.
Hadrobregmus destructor (Anobiidae):							
Taxus brevifolia (yew)	Canada	1					Wash.
Halimococcus lampas (Coccidae):							
Bismarckia nobilis	France		1				D. C.
Haplothrips aculeatus (Phlaeothripidae):							
Forest litter and sphagnum moss.	Denmark	1					N. Y.
Haplothrips gowdeyi (Phlaeothripidae):							
Antirrhinum majus (snapdragon).	Colombia, Cuba, Jamaica.			3		1	N. Y.
Aster sp	Jamaica			1			N. Y.
Celosia sp	British West Indies				1		N. Y.
Chrysanthemum sp	Bermuda			1			N. Y.

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Pest and host	Country of origin	Number of interceptions in—					Collected in—
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INSECTS—continued							
Haplothrips gowdeyi (Phlaeothripidae)—Con.							
Dianthus chinensis (Chinese pink).	Jamaica			1			N. Y.
Gardenia florida (Cape-jasmine).	Mexico	1					Tex.
Gerberia sp.	Bermuda, Canal Zone, Jamaica.			8		1	N. Y.
Jasminum sp.	Jamaica			1			N. Y.
Lathyrus odoratus (sweet pea)	Cuba				1		Fla.*
Lilium sp.	Mexico	1					Tex.
Mixed flowers	Bermuda, Mexico			3			N. Y., Tex.
Raphanus sativus (radish)	Cuba	1					N. Y.
Rosa sp.	Bahamas, Jamaica			1	1		Fla.*, N. Y.
Tagetes sp. (marigold)	Bahamas			1			N. Y.
Zinnia sp.	Brazil					1	N. Y.
Haplothrips nigricornis (Phlaeothripidae):							
Ornithogalum thyrsoides (chinkerichee).	Union of South Africa		2				N. Y.
Haplothrips subtilissimus (Phlaeothripidae):							
Azalea indica (azalea)	Belgium	6					D. C.
Heilipus sp. (Curculionidae):							
Persea americana (avocado)	Mexico			2			Tex.
Heliodines bella (Heliodinidae):							
Portulaca sp. (purslane)	do			1			Tex.
Hellula phidilealis (Pyraustidae):							
Brassica chinensis (white greens).	Cuba	9					N. Y.
Brassica sp. (mustard)	do	1					N. Y.
Raphanus sativus (radish)	do	1					N. Y.
Hellula undalis (Pyraustidae):							
Brassica rapa (turnip)	Japan					3	Wash.
Heraeus cincticornis (Lygaeidae):							
Cattleya sp. (orchid)	Venezuela	1					D. C.
Hercothrips errans (Thripidae):							
Dendrobium formosum (orchid).	Japan		1				Hawaii.*
Hercothrips phaseoli (Thripidae):							
Brassica chinensis (white greens).	Cuba	1					N. Y.
Herculia psammioxantha (Pyralididae):							
Cattleya qigas (orchid)	Colombia	1					Calif.*
Heterobostrychus aequalis (Bostrichidae):							
Wooden box	India	1					N. Y.
Hofmannophila pseudospretella (Oecophoridae):							
Erigeron sp.	England	1					D. C.
Iris susiana	Netherlands	1					D. C.
Straw jacket	Scotland	1					Ala.
Homoeosoma electellum (Phycitidae):							
Chrysanthemum sp.	Mexico	1		29			Tex.
Mixed flowers	do			1			Tex.
Hoplandrothrips xanthopoides (Phlaeothripidae):							
Bryophyllum sp.	Barbados		1				N. Y.
Hortensia similis (Cicadellidae):							
Brassica chinensis (white greens).	Cuba	1					N. Y.
Hylesinus fraxini (Scolytidae):							
Fraxinus sp. (ash)	England	1					N. Y.
Hypera arator (Curculionidae):							
Forest litter and sphagnum moss.	Denmark	1					N. Y.
Hypera nigrirostris (Curculionidae):							
Forest litter and sphagnum	do	1					N. Y.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
Hypera postica (Curculionidae):							
Packing around rose cuttings	France		1				D. C.
Hypoborus ficus (Scolytidae):							
Ficus carica (fig)	Italy	1					Calif.*
Hypocassida subferruginea (Chrysomelidae):							
Moss around grapes	do		1				Calif.*
Hypsipyla grandella (Phycitidae):							
Cedrus sp. (cedar)	Mexico	1					La.
Log	do	1					Tex.
Swietenia mahogani (mahogany).	Honduras	1					La.
Hypsoprora nogalata (Membracidae).							
Flowers	Mexico			1			Ariz.
Ips suturalis (Scolytidae):							
Pinus sp. (pine)	Finland	1					N. Y.
Iridomyrmex humilis (Formicidae):							
Dahlia sp	Portugal			1			N. Y.
Tritonia sp. (montbretia)	Azores			1			N. Y.
Iridomyrmex iniquus (Formicidae)*							
Cattleya sp. (orchid)	Colombia, Venezuela	4					D. C.
In soil around *Cypripedium* sp.	Belgium	1					D. C.
Iridomyrmex iniquus nigella (Formicidae):							
Cattleya sp. (orchid)	Colombia	1					D. C.
Iridomyrmex melleus (Formicidae)*							
Vanda caerulea (orchid)	France	1					Hawaii.*
Ischnorhynchus erirae (Lygaeidae):							
Brassica oleracea capitata (cabbage).	Italy					1	Ala.
Isochaetothrips sp. (Thripidae):							
Gardenia florida (Cape-jasmine).	Mexico	1		2			Tex.
Polianthes tuberosa (tuberose)	do			1			Tex.
Kalotermes snyderi (Termitidae):							
Prosopis sp. (mesquite)	do	1					Tex.
Keiferia lycopersicella (Gelechiidae):							
Capsicum annuum (pepper)	do	2					Ariz.
Lycopersicum esculentum (tomato).	Cuba, Mexico	1,784		2,949			Ariz., Calif., La., N. Y., Tex.
Phaseolus sp. (string bean)	Mexico			1			Ariz.
Kurtomathrips sp., close to *morrilli* (Thripidae):							
Antirrhinum majus (snapdragon).	Jamaica			1			N. Y.
Laemophloeus iteratus (Cucujidae):							
Guaiacum officinale (lignumvitae).	Nicaragua	1					N. Y.
Tabebuia donnell-smithii (primavera).	Guatemala	1					N. Y.
Laspeyresia membrosa (Olethreutidae):							
Prosopis sp. (mesquite)	Mexico			1			Tex.
Laspeyresia splendana (Olethreutidae):							
Castanea sp. (chestnut)	Azores, Italy, Japan, Portugal.	11		3			Calif.*, N. Y.
Laspeyresia strobilella (Olethreutidae):							
Picea sp. (spruce)	Germany			1			N. Y.
Lecaniodiaspis dendrobii (Coccidae)*							
Cattleya sp. (orchid)	Colombia	1					Calif.*

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INSECTS—continued							
Lecanium coryli (Coccidae):							
Malus sylvestris (apple)	Switzerland	1					D. C.
Prunus sp.	England	1					D. C.
Leperisinus fraxini (Scolytidae):							
Fraxinus sp. (ash)	do	6					N. Y.
Unidentified wood ((probably ash).	do	1					La.
Lepidosaphes alba (Coccidae):							
Manihot esculenta (cassava)	Bahamas				1		Fla.*
Lepidosaphes auriculata (Coccidae)							
Codiaeum sp. (croton)	Hawaii	1					Calif.*
Lepidosaphes camelliae (Coccidae):							
Camellia japonica (camellia)	Japan	3	1				Wash.
Lepidosaphes carinata (Coccidae):							
Pedilanthus sp.	Mexico		1				Calif.*
Lepidosaphes chinensis (Coccidae):							
Pandanus sp. (screwpine)	China		1				Calif.*
Lepidosaphes conchiformis (Coccidae):							
Diospyros sp. (persimmon)	Japan					1	Wash.
Pyrus pyrifolia (sand pear)	do					1	Wash.
Lepidosaphes ficus (Coccidae):							
Ficus carica (fig)	Italy	1	2	1			Calif.*, D. C., N. Y.
Lepidosaphes lasianthi (Coccidae):							
Codiaeum sp. (croton)	Bahamas, Japan			1	2		Fla.*, N. Y., Pa.
Lepidosaphes philococcus (Coccidae):							
Cactus	Mexico			2			Tex.
Myrtillocactus geometrizans (cactus).	do	2					Tex.
Myrtillocactus sp. (cactus)	do		1				D. C.
Pachycereus marginatus (cactus).	do	1	1				Calif.*, Tex.
Pachycereus sp. (cactus)	do			1			Ariz.
Lepidosaphes pistaciae (Coccidae):							
Pistacia mutica (terebinth)	Greece			1			N. Y.
Lepidosaphes tuberculata (Coccidae):							
Cymbidium insigne (orchid)	Australia			1			Calif.*
Cymbidium sp. (orchid)	Belgium, Japan	3	1				D. C., Wash.
Leptodictya plana (Tingitidae):							
Bougainvillea sp.	Mexico			1			Tex.
Leptostylus testaceus (Cerambycidae):							
Dioscorea sp. (yam)	Trinidad			1			Mass.
Leucaspis cockerelli (Coccidae):							
Citrus limonia (lemon)	Panama					1	Calif.*
Orchid	Australia			1			Hawaii.*
Spathoglottis sp. (orchid)	Fiji	1					Hawaii.*
Leucaspis loewi (Coccidae):							
Pinus sp. (pine)	Portugal		1				N. Y.
Leucopoecila albofasciata (Miridae):							
Aster sp.	Cuba					1	N. Y.
Lactuca sativa (lettuce)	Mexico			2			Tex.
Mixed flowers	do			2			Tex.
Solanum melongena (eggplant).	do	1					Ariz.
Leucoptera coffeella (Lyonetiidae):							
Coffea sp.	Colombia			1			Fla.*
Leuronota maculata (Psyllidae):							
Prosopis sp. (mesquite)	Mexico			1			Tex.
Ligyrocoris abdominalis (Lygaeidae):							
Orchid	Guatemala		1				D. C.
Ligyrocoris nitidicollis (Lygaeidae):							
Tagetes sp. (marigold)	Mexico			1			Tex.

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INSECTS—continued							
Ligyrocoris nitidulus (Lygaeidae): *Lycopersicum esculentum* (tomato).	Mexico			1			Tex.
Ligyrocoris setosus (Lygaeidae): *Lactuca sativa* (lettuce)	do			1			Tex.
Lilioceris lilii (Chrysomelidae): *Lilium candidum* (Madonna lily).	France	2					N. Y.
Limeodes integra (Pyraustidae): *Lycopersicum esculentum* (tomato).	Cuba, Mexico	7					Ariz., N. Y., Tex.
Liothrips vaneeckei (Thripidae): *Lilium candidum* (Madonna lily).	France	1					N. Y.
Lilium sp. (lily)	England, France, Japan, St. Helena.	5	2			4	D. C., Md., N. Y., Wash.
Liriomyza flaveola (Agromyzidae): *Brassica chinensis* (white greens).	Cuba	1					N. Y.
Lophocateres pusillus (Ostomidae): *Allium sativum* (garlic)	Mexico	1					Tex.
Lorita abornana (Phaloniidae): *Capsicum annuum* (pepper)	do			1			Tex.
Lorita abnornana chatka (Phaloniidae): *Capsicum annuum*	do	81		5			Ariz., Tex.
Lycopersicum esculentum (tomato).	do	3					Ariz.
Lygaeus lateralis (Lygaeidae): *Cucurbita marima* (squash)	do			1			Tex.
Lygaeus pulchellus (Lygaeidae): *Capsicum annuum* (pepper)	do	1					Ariz.
Lygaeus vittiscutis (Lygaeidae): *Lactuca sativa* (lettuce)	do			1			Tex.
Lygus elisus (Miridae): *Brassica* sp. (mustard)	do	1					Tex.
Petunia hybrida (petunia)	do			1			Calif.
Lygus sallei (Miridae): *Lactuca sativa* (lettuce)	do			1			Tex.
Macrosteles divisus (Cicadellidae): *Lactuca sativa* (lettuce)	do			2			Tex.
Mamurius mopsus (Coreidae): Orchid	do	1					Calif.*
Marmara sp., near *opuntiella* (Gracilariidae): *Capsicum annuum* (pepper)	do	1					Ariz.
Marmara sp., probably *opuntiella* (Gracilariidae): *Opuntia compressa* (prickly-pear).	do			1			Tex.
Marmara sp. (Gracilariidae): Bean	do			12			Tex.
Capsicum annuum (pepper)	do	15					Ariz.
Citrus aurantifolia (lime)	do	1					Tex.
Citrus sinensis (orange)	do			1			Ariz.
Opuntia sp.	do			1			Tex.
Persea americana (avocado)	do	7		564			Tex.
Maruca testulalis (Pyraustidae): *Canavalia* sp.	Hawaii			1			Calif.*
Dioclea violacea (mauna loa lei).	do			2			Calif.*
Phaseolus sp. (string bean)	American Virgin Islands, Brazil, Dominican Republic, Haiti, Hawaii, Japan, Puerto Rico.			2		14	Ala., Ga., La., Mass., N. Y., Tex., Wash.
Matigramma rubrosuffusa (Phalaenidae): *Solanum melongena* (eggplant).	Mexico	1					Ariz.

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INSECTS—continued							
Mecinus circulatus (Curculionidae):							
Ficus sp.	Italy	1					Calif.*
Megacerus alternatus (Bruchidae):							
Ipomoea sp.	Hawaii			1			Calif.*
Megalometis chiliensis (Curculionidae):							
Amygdalus persica nectarina (nectarine).	Chile	1					N. Y.
Megastigmus pistaciae (Callimomidae):							
Pistacia vera (pistache)	Italy	1					N. Y.
Merodon sp. (Syrphidae):							
Galanthus sp	Turkey	3					N. Y.
Hyacinthus orientalis albulus (Roman hyacinth).	do	1					D. C.
Lycoris sp.	Netherlands	1					D. C.
Narcissus sp	do	28					Calif.,* Md., Mass., Pa., Va., Wash.
Mertila malayensis (Miridae):							
Vanda sp. (orchid)	India	1				*	D. C.
Metamasius hemipterus (Curculionidae):							
Ananas sativus (pineapple)	Puerto Rico	1					La.
Metamasius sericeus (Curculionidae):							
Ananas sativus	Cuba	1					Fla.*
Banana debris	Honduras, Mexico	[illegible]					La., Tex.
Musa sp. (banana)	Honduras	5					Ala., Md., Tex.
Metamasius sericeus carbonarius (Curculionidae):							
Musa sp.	Guatemala	2					N. Y., S. C.
Micrapate scapularis (Bostrichidae):							
Wood	Mexico	1					N. Y.
Microlus ericae (Curculionidae):							
Calluna vulgaris (heather)	Scotland		10				Mass., Mich., N. Y., Pa.
Moneilema opuntiae (Cerambycidae):							
Cactus	Mexico		1				Calif.*
Monotoma centralis (Monotomidae):							
Cucurbita maxima (squash)	do			1			Tex.
Moodna bisinuella (Phycitidae):							
Zea mays (corn)	do	1		53			Tex.
Mordellistena cattleyana (Mordellidae):							
Cattleya gigas (orchid)	Colombia	1					Calif.*
Cattleya sp. (orchid)	Venezuela	1					D. C.
Orchid	Colombia	1					D. C.
Mordellistena chapini (Mordellidae):							
Cattleya sp. (orchid)	do		1				D. C.
Lycaste skinneri virginalis (orchid).	Mexico	1					Tex.
Mordellistena sp., probably *cattleyana* (Mordellidae):							
Cattleya labiata (orchid)	Brazil	1					Calif.*
Cattleya sp. (orchid)	do	1					D. C.
Mordellistena sp., near *chapini* (Mordellidae):							
Cattleya sp. (orchid)	Guatemala	1					D. C.
Epidendrum sp. (orchid)	do		1				Calif.*
Mordellistena sp., probably *chapini* (Mordellidae):							
Cattleya sp. (orchid)	Brazil	1					D. C.

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INSECTS—continued							
Mordellistena sp. (Mordellidae):							
Cattleya gigas (orchid)	Colombia	3	1				Calif.*
Cattleya skinneri (orchid)	Brazil, Costa Rica	1	2				D. C.
Cattleya trianae (orchid)	Colombia	1					Calif.*
Cattleya warneri (orchid)	Brazil	1					Calif.*
Cattleya sp. (orchid)	Brazil, Colombia, Guatemala.	19	2	4			Calif.,* D. C.
Epidendrum ciliare (orchid)	Guatemala	1					Calif.*
Epidendrum sp. (orchid)	do		1				Calif.*
Laelia anceps (orchid)	Mexico		1				Calif.*
Laelia crispa (orchid)	Brazil	1					D. C.
Laelia sp. (orchid)	Mexico		1				D. C.
Lycaste skinneri virginalis (orchid).	do	1					Tex.
Orchid	Brazil, Colombia, Guatemala, Mexico.	3		1			Calif.,* D. C., La., Tex.
Mormidea collaris (Pentatomidae):							
Cattleya sp. (orchid)	Mexico			1			Tex.
Mormidea cubrosa (Pentatomidae):							
Orchid	do	1					Calif.*
Mormidea pictiventris (Pentatomidae):							
Tillandsia usneoides (Spanish-moss)	do			1			Tex.
Mormidea v-luteum (Pentatomidae):							
Cattleya sp. (orchid)	Brazil	1					D. C.
Orchid	do	1					D. C.
Myelois ceratoniae (Phycitidae):							
Amygdalus communis (almond).	Italy			1			N. Y.
Punica granatum (pomegranate).	Greece, Italy			2			N. Y.
Myelois venipars (Phycitidae):							
Citrus sinensis (orange)	Mexico			1			Tex.
Myelois sp. (Phycitidae):							
Citrus sinensis	do			3			Tex.
Cydonia oblonga (quince)	do			2			Tex.
Mixed fruit	Italy			1			Tex.
Tamarindus indica (tamarind).	Cuba	1					La.
Myelophilus minor (Scolytidae):							
Pinus sp. (pine)	Netherlands	2					N. Y.
Myzus hemerocallis (Aphiidae):							
Hemerocallis sp.	China		1				D. C.
Myzus ornatus (Aphiidae):							
Chrysanthemum sp.	England			1			N. Y.
Myrtus sp. (myrtle)	do			1			N. Y.
Primula sp.	Scotland		1				D. C.
Ramondia pyrenaica	England	1					Calif.*
Nabis alternata (Nabidae):							
Brassica sp. (mustard)	Mexico	2					Tex.
Lactuca sativa (lettuce)	do			1			Tex.
Nabis angustatus (Nabidae):							
Lactuca sativa (lettuce)	do			1			Tex.
Napomyza lateralis (Agromyzidae):							
Cichorium intybus (witloof)	Belgium	194					N. Y.
Naucles pusio (Mordellidae):							
Phaseolus sp. (string bean)	Mexico			1			Tex.
Rosa sp.	do			1			Tex.
Neella generosa (Miridae):							
Agave sp.	do	1					D. C.
Nemapogon granella (Tineidae):							
Allium sativum (garlic)	Chile	1					N. Y.
Neoclytus cacicus (Cerambycidae):							
Guaiacum officinale (lignum-vitae).	Guatemala	1					N. Y.
Tabebuia donnell-smithii (primavera).	do	1					N. Y.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
Nesosteles incisus (Cicadellidae):							
Gardenia florida (Cape-jasmine).	Mexico	1					Tex.
Neurocolpus mexicanus (Miridae):							
Zea mays (corn)	do			1			Tex.
Neurocolpus simplex (Aradidae):							
Prosopis sp. (mesquite)	do	1					Tex.
Nicobium castaneum (Anobiidae):							
Wood strip on trunk	Italy			1			N. Y.
Nicobium hirtum (Anobiidae):							
Mixed flowers	Mexico			1			Tex.
Nysius ericae (Lygaeidae):							
Lactuca sativa (lettuce)	do			1			Ariz.
Nysius monticola (Lygaeidae):							
Brassica oleracea capitata (cabbage).	do			1			Ariz.
Lactuca sativa	do			1			Tex.
Leaf	do			1			Ariz.
Ochlerus notatulus (Pentatomidae):							
Odontoglossum crispum (orchid).	Colombia	1					Calif.*
Odonaspis pencillata (Coccidae):							
Dendrocalamus merrillianus	Philippines	1					D. C.
Oedancala dorsilinea (Lygaeidae):							
Ananas sativus (pineapple)	Cuba	1					La.
Ogdoecosta biannularis (Chrysomelidae):							
Mammillaria sp. (cactus)	Mexico	1					Tex.
Moss on orchid plant	do	1					Tex.
Olethreutid:							
Acer palmatum (Japanese maple).	Japan	1					Wash.
Acer palmatum atropurpureum.	do	1					Wash.
Amygdalus persica (peach)	Chile	2					N. Y.
Amygdalus persica nectarina (nectarine).	do	7					N. Y.
Calluna vulgaris (heather)	Scotland		1				Mass.
Chrysanthemum sp.	Mexico			2			Tex.
Citrus sinensis (orange)	Union of South Africa					1	Pa.
Crataegus sp. (haw)	Mexico			1			Tex.
Cupressus sp. (cypress)	Japan				1		Wash.
Dendrobium secundum (orchid).	Thailand		1				Calif.*
Mimosa sp.	Mexico			1			Tex.
Orchid	do	1					Tex.
Phaseolus sp. (string bean)	do			1			Ariz.
Podocarpus macrophylla (yew podocarpus).	Japan	5					Wash.
Prosopis sp. (mesquite)	Mexico	2					Tex.
Prunus domestica (plum)	Chile	2					N. Y.
Rosa sp.	British Columbia		1				Wash.
Tithonia rotundifolia (Mexican sunflower).	Mexico			1			Tex.
Vaccinium sp. (blueberry)	Newfoundland	2					Pa.
Vicia sp. (vetch)	France	1					Ill.
Oliarus concinnulus (Fulgoridae):							
Leaf	Mexico			1			Tex.
Oligomerus brunneus (Anobiidae):							
Wood strip on trunk	Italy			1			N. Y.
Ophiomyia pinguis (Agromyzidae):							
Cichorium intybus (witloof)	Belgium	81					N. Y.
Orchidophilus aterrimus (Curculionidae):							
Vanda sanderiana (orchid)	Philippines	1					Calif.*

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
Orchidophilus sp. (Curculionidae):							
Cypripedium callosum (orchid).	Thailand	1					Calif.*
Dendrobium superbum (orchid).	Philippines		1				Calif.*
Eria obesa (orchid)	do		1				Calif.*
Phalaenopsis aphrodite (orchid).	do	1	1				Calif.*, Hawaii.*
Phalaenopsis schilleriana (orchid).	do		1				Calif.*
Orthaea bilobata (Lygaeidae):							
Fragaria sp. (strawberry)	Mexico	1					Tex.
Orthaea servillei (Lygaeidae):							
Ananas sativus (pineapple)	do	1					La.
Orthaea vincta (Lygaeidae):							
Dry medicinal herb	do			1			Tex.
Orthezia praelonga (Coccidae):							
Thunbergia sp.	Jamaica			1			D. C.
Orthotylus virens (Miridae):							
Calluna vulgaris (heather)	Scotland		1				Mich.
Pachnaeus litus (Curculionidae):							
Brassica chinensis (white greens).	Cuba	1					N. Y.
Litchi chinensis (lychee)	do	1					N. Y.
Pachyzancla perusalis (Pyraustidae):							
Solanum melongena (eggplant).	do	1					N. Y.
Palaeopus costicollis (Curculionidae):							
Capsicum annuum (pepper)	Cuba	1					N. Y.
Ipomoea batatas (sweetpotato)	Antigua, Jamaica, St. Vincent.			2		1	Mass., N. Y.
Pantomorus xanthographus (Curculionidae):							
Packing around grapes	Argentina	2					N. Y.
Parallelodiplosis cattleyae (Cecidomyiidae):							
Brassavola deckeri (orchid)	Calan Zone	1					Hawaii.*
Parlatoria camelliae (Coccidae):							
Camellia japonica (camellia)	Japan	42	18				Calif.*, Wash.
Camellia sasanqua	do	1					Calif.*
Parlatoria cineria (Coccidae):							
Citrus limonia (lemon)	Trinidad					1	Fla.*
Citrus sinensis (orange)	Brazil, Palestine					2	Fla.*
Parlatoria crotonis (Coccidae):							
Codiaeum sp. (croton)	British Honduras, Cuba			2			Fla.*
Laurus nobilis (Grecian laurel).	Cuba			1			Fla.*
Parlatoria oleae (Coccidae):							
Malus sylvestris (apple)	Greece, Italy		1	5			N. Y.
Prunus domestica (plum)	Argentina	2					N. Y.
Prunus sp. (cherry)	Italy		1				D. C.
Pyrus communis (pear)	Greece			1			N. Y.
Sorbus sp.	Italy		1				D. C.
Parlatoria pseudaspidiotus (Coccidae):							
Vanda lamellata (orchid)	Philippines			1			Calif.*
Vanda teres (orchid)	Philippines, Straits Settlements, Trinidad.			4			Calif.*, Hawaii.* P. R.
Vanda sp. (orchid)	Java, Philippines		2	1			Calif.,* Hawaii.*
Parlatoria theae (Coccidae):							
Acer sp.	Japan		1				D. C.
Parlatoria ziziphus (Coccidae):							
Citrus grandis (grapefruit)	China, Java, Taiwan					4	Calif.,* Mass.
Citrus grandis (pomelo)	Java					1	Mass.
Citrus limonia (lemon)	Italy					1	Calif.*
Citrus nobilis deliciosa (tangerine).	do				1	1	Fla.,* Mass.
Citrus sinensis (orange)	Italy, Spain					2	Fla.*
Citrus sp.	Hawaii, Philippines	1		1			Calif.*

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
Pectinophora gossypiella (Gelechiidae):							
Gossypium sp. (cottonseed)	Brazil, Egypt, Italy, Mexico, Puerto Rico (one in tank car).	5	3	4	1		Calif.,* D. C., La., Mass., N. Y., Tex.
Gossypium sp. (cotton boll)	Hawaii			1			Calif.*
Gossypium sp. (seed cotton)	Brazil, Manchuria, Mexico.	1	1	3			Fla.,* Tex.
Gossypium sp. (cotton) (unginned).	Manchuria		1				D. C.
Hibiscus esculentus (okra)	Mexico			4			Tex.
Peregrinus maidis (Araeopidae):							
Holcus sorghum (sorghum)	do			1			Tex.
Phaedon confinis (Chrysomelidae):							
Ananas bracteatus	Brazil	1					Hawaii.*
Ananas sp.	do	2					Hawaii.*
Pseudananas macrodontes	do	1					Hawaii.*
Phelomerus aberrans (Bruchidae):							
Cassia fistula (golden shower)	Trinidad		1				D. C.
Cassia javanica	do		1				D. C.
Phelomerus germaini (Bruchidae):							
Parkinsonia aculeata (Jerusalem thorn).	France		1				D. C.
Phenacaspis fujicola (Coccidae):							
Wisteria sp.	Japan	1					Wash.
Phlepsius utahnus (Cicadellidae):							
Flowers	Mexico			1			Ariz.
Phlyctinus callosus (Curculionidae):							
Vitis sp. (grape)	Union of South Africa	1					N. Y.
Photinus nefarius (Lampyridae):							
Brassica chinensis (white greens).	Cuba	2					N. Y.
Phyllophaga analis (Scarabaeidae):							
Ananas sativus (pineapple)	do	1					N. Y.
Phyllotreta albionica (Chrysomelidae):							
Petroselinum hortense (parsley).	Mexico	1					Tex.
Phyllotreta undulata (Chrysomelidae):							
Brassica oleracea gemmifera (brussels sprouts).	Netherlands					1	N. Y.
Forest litter and sphagnum moss.	Denmark	1					N. Y.
Phyllotretna vittata discedens (Chrysomelidae):							
Benincasa hispida (hairy squash).	Cuba	1					N. Y.
Brassica chinensis (white greens).	do	21					N. Y.
Brassica sp. (mustard)	do	10					N. Y.
Pisum sativum (pea)	do	1					N. Y.
Raphanus sativus (radish)	do	5					N. Y.
Physonota attenuata (Chrysomelidae):							
Ananas sativus (pineapple)	Mexico	1					Tex.
Phytomyza sp. (Agromyzidae):							
Brassica chinensis (white greens).	Cuba, Netherlands	6				2	N. Y., Pa.
Brassica oleracea acephala (kale).	Cuba	2					N. Y.
Brassica oleracea botrytis (cauliflower).	Netherlands					1	N. Y.
Brassica oleracea capitata (cabbage).	Italy					2	N. Y.
Brassica rapa (turnip)	Mexico	3					Tex.
Brassica sp. (mustard)	Cuba	6					N. Y.
Brassica sp.	Japan					2	N. Y.
Cattleya sp. (orchid)	Venezuela	1					D. C.

List of pests collected and reported from July 1, 1939 to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
Phytomyza sp. (Agromizidae)—Continued.							
Chrysanthemum coronarium (garland chrysanthemum).	Japan					2	Pa.
Pisum sativum (pea)	Cuba	1					N. Y.
Raphanus sativus (radish)	Mexico	3		3			Tex.
Senecio cruentus (cineraria)	Japan				3		Wash.
Pineus colorandensis (Phylloxeridae):							
Pinus contorta (shore pine)	Canada			1			Wash.
Pinnaspis minor strachani (Coccidae):							
Genipa americana (genip)	Puerto Rico			1			N. Y.
Hibiscus sp	Trinidad			1			P. R.
Zamia sp	Cuba		1				D. C.
Pinnaspis minor var. (Coccidae):							
Hura crepitans (sandbox-tree).	Mexico		1				D. C.
Pinnaspis townsendi (Coccidae):							
Trichoglottis brachiata (orchid)	Philippines	1					Hawaii.*
Pityogenes chalcographus (Scolytidae):							
Abies sp. (fir)	Norway				1		La.
Pinus sp. (pine)	Finland, Sweden	2					N. Y.
Placosternus difficilis (Cerambycidae):							
Prosopis sp. (mesquite)	Mexico			1			Tex.
Platynota rostrana (Tortricidae):							
Ananas sativus (pineapple)	Cuba	9					La., N. Y.
Capsicum annuum (pepper)	do	9					La., N. Y.
Lycopersicum esculentum (tomato).	do	2					La., N. Y.
Platynota stultana (Tortricidae):							
Begonia sp	Mexico			2			Ariz.
Capsicum annuum (pepper)	do	359		36			Ariz., Tex.
Lactuca sativa (lettuce)	do			1			Tex.
Lycopersicum esculentum (tomato).	do	14		3			Ariz., Tex.
Pisum sativum (pea)	do	1					Ariz.
Portulaca sp. (purslane)	do			1			Tex.
Platynota sp. (Tortricidae):							
Amygdalus persica nectarina (nectarine).	Chile	3					N. Y.
Ananas sativus (pineapple)	Cuba	2					La.
Capsicum annuum (pepper)	Cuba, Mexico	177		18			Ariz., Calif., N. Y., Tex.
Daucus carota (carrot)	Mexico			1			Tex.
Lactuca sativa (lettuce)	do			1			Tex.
Lycopersicum esculentum (tomato).	Cuba, Mexico	13		2			Ariz., La., Tex.
Momordica balsamina (balsam apple).	Mexico	1					Ariz.
Prosopis sp. (mesquite)	do			1			Tex.
Platypus australis (Platypodidae):							
Cryptocarya palmerstone (Queensland walnut).	Australia	3					N. Y.
Platypus rugulosus (Platypodidae):							
Anacardium rhinocarpus	Nicaragua	1					N. Y.
Ananas sativus (pineapple)	Mexico	2					Tex.
Tabebuia donnell-smithii (primavera).	Guatemala, Honduras, Mexico, Panama, Salvador.	8					La., N. Y.
Pleurophorus batesi (Scarabaeidae):							
Ananas sativus	Mexico			1			Tex.
Plinthisus brevipennis (Lygaeidae):							
Ficus sp	Italy	1					Calif.*
Poponocherus hispidulus (Cerambycidae).							
Ficus sp	do	1					Calif.*
Poliaspis pini (Coccidae):							
Pinus sp. (pine)	Japan				1		Pa.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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Pest and host	Country of origin	Number of interceptions in—					Collected in—
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INSECTS—continued							
Polychrosis botrana (Olethreutidae):							
Vitis sp. (grape)	Italy			1			N. Y.
Prays endocarpa (Hyponomeutidae):							
Citrus grandis (pomelo)	Java					1	Mass.
Prodenia latifascia (Phalaenidae):							
Capsicum annuum (pepper)	Mexico	1					Ariz.
Lycopersicum esculentum (tomato).	do	1					Ariz.
Protopulvinaria pyriformis (Coccidae):							
Gardenia florida (Cape-jasmine).	do	1					Tex.
Psallus seriatus (Miridae):							
Dahlia sp	do			1			Tex.
Lathyrus odoratus (sweet pea)	do			1			Ariz.
Pyrus communis (pear)	do			1			Tex.
Zinnia sp	do			1			Tex.
Pseudaonidia clavigera (Coccidae):							
Allamanda blanchetii	Hawaii			1			Calif.*
Hibiscus sp	do		1	1			Calif.*
Pseudaonidia curculiginis (Coccidae):							
Cymbidium finlaysonianum (orchid).	Philippines		2				Calif.*
Grammatophyllum speciosum (orchid).	do		1				Calif.*
Pseudaonidia duplex (Coccidae):							
Camellia japonica (camellia)	Japan	1					Wash.
Citrus aurantium (bitter orange).	do					1	N. Y.
Citrus nobilis (king orange)	do					1	Calif.*
Citrus nobilis deliciosa (Mandarin orange).	do	7					Wash.
Citrus sinensis (orange)	do					5	Calif.,* Mass., N. Y.
Citrus sinensis junos (Japanese orange).	do					2	Md., Pa.
Diospyros sp. (persimmon)	do					3	N. Y., Wash.
Magnolia conspicua (yulan)	do	1					Wash.
Magnolia sp	do	1					Wash.
Pseudaonidia paeoniae (Coccidae):							
Azalea sp	do	1					Wash.
Camellia japonica (camellia)	do	5	2				Calif.*, D. C., Wash.
Camellia sasanqua	do	1					Calif.*
Camellia sp	Italy		1				D. C.
Pseudaonidia tesserata (Coccidae):							
Capsicum sp. (ornamental pepper).	Straits Settlements			1			Calif.*
Hibiscus sp	Hawaii			2			Calif.*
Holmskioldia sanguinea (Chinese-hat plant).	Guadeloupe			1			D. C.
Pseudaonidia trilobitiformis (Coccidae):							
Citrus grandis (pomelo)	East Africa, Java					2	Mass.
Eugenia cauliflora (jaboticaba)	Brazil	1					D. C.
Mangifera indica (mango)	do			1			N. Y.
Sobralia sp. (orchid)	do	1					D. C.
Pseudishnaspis alienus (Coccidae):							
Orchid	Guatemala	1					Calif.*
Pseudococcus boninsis (Coccidae):							
Saccharum officinarum (sugarcane).	Cuba, Mexico			2			Fla.,* Tex.
Pseudococcus citriculus (Coccidae):							
Citrus limonia (lemon)	Java					1	N. Y.
Citrus sinensis (orange)	Japan					1	N. Y.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
Pseudococcus gahani (Coccidae):							
Mahonia nepalensis	England		1				D. C.
Pyrus communis (pear)	Chile	1					N. Y.
Pseudococcus kraunhiae (Coccidae):							
Citrus aurantifolia (lime)	Japan					1	Calif.*
Diospyros kaki (kaki persimmon).	do					1	Wash.
Pseudococcus lilacinus (Coccidae):							
Citrus grandis (pomelo)	Java					1	Mass.
Dendrobium schuetzei (orchid)	Philippines	1					Hawaii.*
Phalaenopsis aphrodite (orchid).	do	1					Calif.*
Phalaenopsis cynthia (orchid)	do	1					Calif.*
Phalaenopsis schilleriana (orchid).	do		1				Calif.*
Pseudoparlatoria ostreata (Coccidae):							
Carica papaya (papaya)	Cuba	1					N. Y.
Psila rosae (Psilidae):							
Daucus carota (carrot)	England, Finland, France, Ireland, Italy, Mexico, Netherlands, Scotland.			1		14	Mass., N. Y., Tex.
Psychid:							
Ananas sativus (pineapple)	Mexico	3					Tex.
Banana debris	do	1					Tex.
Camellia japonica (camellia)	Japan	1					Wash.
Cattleya sp. (orchid)	Venezuela	1					D. C.
Chrysanthemum sp.	Japan				1		Wash.
Cupressus sp. (cypress)	do				1		Wash.
Euonymus sp.	do				1		Wash.
Lespedeza formosa alba	do	1					Wash.
Portulaca sp. (purslane)	Mexico				1		Tex.
Prosopis sp. (mesquite)	do			1			Tex.
Pyrus communis (pear)	Argentina	2					N. Y.
Tamarix gallica (French tamarix).	Mexico			1			Tex.
Vitis sp. (grape)	Argentina	1					N. Y.
Psylliodes chrysocephala (Chrysomelidae):							
Brassica oleracea botrytis (broccoli).	Italy					2	N. Y.
Brassica oleracea capitata (cabbage).	do					1	N. Y.
Brassica rapa (turnip)	France, Italy, Morocco					6	Ala., N. Y.
Ptinus japonicus (Ptinidae):							
Corylus americana (hazelnut)	Canada			1			Vt.
Ptochoryctis tsugensis (Xyloryctidae):							
Pinus sp. (pine)	Japan			1			N. Y.
Ptychopoda bonifata (Geometridae):							
Arachis hypogaea (peanut)	Mexico			1			Tex.
Medicinal herb	do			1			Tex.
Ptychopoda sp. (Geometridae):							
Herb	Germany, Mexico	2		48			N. Y., Tex.
Laurus nobilis (Grecian laurel).	Mexico			1			Tex.
Tagetes florida (marigold)	do	4		26			Tex.
Pulvinaria floccifera (Coccidae):							
Brassia gireoudeana (orchid)	Costa Rica		1				D. C.
Cypripedium sp. (orchid)	England, India, Trinidad.	2	1				D. C., Wash
Dendrobium sp. (orchid)	France	1					D. C.
Epidendrum myrianthum (orchid).	Costa Rica		1				Calif.*
Epidendrum vitellinum (orchid).	Mexico		1				Calif.*
Epidendrum sp. (orchid)	do		1				Calif.*

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
Puto barberi (Coccidae):							
Anthurium sp.	Trinidad	1					P. R.
Bromeliad	do		2				D. C.
Pycnoderes quadrimaculatus (Miridae):							
Brassica chinensis (white greens).	Cuba	1					N. Y.
Lactuca sativa (lettuce)	Mexico			3			Tex.
Pyrausta nubilalis (Pyraustidae):							
Phaseolus sp. (string bean)	Japan					3	Wash.
Pyroderces sp. (Cosmopterygidae):							
Ananas sativus (pineapple)	Cuba	3					La.
Zea mays (corn)	Mexico			1			Tex.
Pyropus sapphirinus (Curculionidae):							
Brassica sp. (mustard)	Cuba	1					N. Y.
Reuteroscopus uvidus (Miridae):							
Citrus sp.	Puerto Rico			1			N. Y.
Rhagoletis pomonella (Trypetidae):							
Crataegus sp.	Mexico			9			Ariz., Tex.
Malus sylvestris (apple)	Canada, Mexico			1		1	N. Y., Tex.
Rhagoletis sp. (Trypetidae):							
Crataegus sp.	Mexico			1			Tex.
Juglans nigra (black walnut)	do			3			Ariz., Tex.
Rhinaeloa forticornis (Miridae):							
Celosia sp. (cockscomb)	do			1			Tex.
Rhinocola ericae (Psyllidae):							
Calluna vulgaris (heather)	Ireland, Scotland		3				Mass., Mich.
Rhipibruchus picturatus (Bruchidae):							
Prosopis chilensis	Chile		1				Calif.*
Ribua innoxia (Phycitidae):							
Ananas sativus (pineapple)	Cuba	18					La., N. Y.
Ripersia palmarum (Coccidae):							
Cocos nucifera (coconut)	Hawaii	1					Calif.*
Scaphytopius irroratus (Cicadellidae):							
Lactuca sativa (lettuce)	Mexico			2			Tex.
Sciaphilus muricatus (Curculionidae):							
Forest litter and sphagnum moss.	Denmark	1					N. Y.
Scirtothrips prosopis (Thripidae):							
Prosopis sp. (mesquite)	Mexico			1			Tex.
Setomorpha insectella (Tineidae):							
Amaryllis sp.	St. Kitts		1				D. C.
Dioscorea sp. (yam)	Tonga Island	1					Hawaii.*
Gossypium sp. (cottonseed)	Mexico			1			Tex.
Lycopersicum esculentum (tomato).	do	1					Ariz.
Tagetes florida (marigold)	do			1			Tex.
Simulium virgatum (Simuliidae):							
Lactuca sativa (lettuce)	do			1			Tex.
Sinoxylon anale (Bostrichidae):							
Derris elliptica (tuba)	India	1					N. Y.
Sinoxylon conigerum (Bostrichidae):							
Serjania mexicana (barbasco)	Venezuela	1					N. Y.
Sisamnes contractus (Lygaeidae):							
Ananas sativus (pineapple)	Mexico	1					Tex.
Lycopersicum esculentum (tomato).	do	1					Ariz.
Sitona limosa (Curculionidae):							
Cichorium endivia (chicory)	Italy					1	N. Y.
Sitona lineata (Curculionidae):							
Brassica chinensis (Chinese cabbage).	Netherlands					2	Pa.
Sitconotus areolatus (Miridae):							
Lactuca sativa (lettuce)	Mexico			3			Tex.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive.—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
Sphaeridium bizustulatum (Hyrophilidae):							
Forest litter and sphagnum moss.	Denmark	1					N. Y.
Spilographa sp., possibly *setosa* (Trypetidae):							
Rosa spinosissima var	Canada		1				D. C.
Stenoma anonella (Stenomidae):							
Annona muricata (soursop)	Dutch Guiana					1	Ala.
Stenoma sp. (Stenomidae):							
Inga sp	Mexico			1			Ariz.
Persea americana (avocado)	Ecuador					1	N. Y.
Stephanoderes guatemalensis (Scolytidae):							
Fern	Mexico			1			Tex.
Stephanoderes hampei (Scolytidae):							
Coffea sp	Angola, British East Africa, Brazil, Canada, Dutch East Indies, Java, Tanganyika.	5		1			Minn., N. Y.
Sternochetus mangiferae (Curculionidae):							
Mangifera indica (mango)	Hawaii			6	2		Calif.*
Strophosoma melanogrammum (Curculionidae):							
Forest litter and sphagnum moss.	Denmark	1					N. Y.
Strophosoma rufipes (Curculionidae):							
Forest litter and sphagnum moss.	do	1					N. Y.
Strymon critola (Lycaenidae):							
Lycopersicum esculentum (tomato).	Mexico	1					Ariz.
Sylepta silicalis (Pyraustidae):							
Gardenia florida (Cape-jasmine).	do			1			Tex.
Systena basalis (Chrysomelidae):							
Brassica chinensis (white greens).	Cuba	2					N. Y.
Brassica sp. (mustard)	do	1					N. Y.
Capsicum annuum (pepper)	do	1					N. Y.
Taeniothrips atratus (Thripidae):							
Calluna vulgaris (heather)	England, Scotland		14				Ill., Mass., Mich. Minn., N. Y.
Lavandula sp. (lavender)	Canada		1				Wash.
Taeniothrips ericae (Thripidae):							
Calluna vulgaris (heather)	Germany, Scotland		2	2			Ill., N. Y.
Taeniothrips fumosa (Thripidae):							
Ornithogalum thyrsoides (chinkerichee)	Union of South Africa		3				N. Y.
Taeniothrips hawaiiensis (Thripidae):							
Dioclea violacea (mauna loa)	Hawaii			1			Calif.*
Taeniothrips simplex (Thripidae):							
Aster sp	Mexico	1					Tex.
Camellia japonica (camellia)	do	1					Tex.
Dianthus sp. (carnation)	Guatemala, Honduras, Mexico.			5	1		La., Tex.
Gladiolus sp	Australia, Canal Zone, Chile, Cuba, Guatemala, Jamaica, Mexico, New Zealand, Panama, Peru, Puerto Rico.	4	4	18	1		Calif.,* D. C., Md., N. Y. Tex.
Gypsophila paniculata (babys-breath).	Mexico	1					Tex.
Iris sp	Bermuda			1			Va.
Mixed flowers	Guatemala, Mexico			3			Tex.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
Taeniothrips simplex (Thripidae)—Continued.							
Orchid	Mexico	2		1			Tex.
Ornithogalum thyrsoides (chinkerichee).	Union of South Africa		1				Hawaii.*
Taeniothrips zanthius (Thripidae):							
Dendrobium formosum (orchid).	Japan		2				Hawaii.*
Taphropeltus contractus (Lygaeidae):							
Packing around rose cuttings	France		1				D. C.
Tapinoma melanocephalum (Formicidae):							
Coula sp	Panama	1					Tex.
Targionia bromeliae (Coccidae):							
Ananas sativus (pineapple)	Azores, Cuba	2	1				Fla.,* Mass., N. Y.
Targionia hartii (Coccidae):							
Dioscorea sp. (yam)	American Virgin Islands, Antigua, Barbados, Cuba, St. Vincent, Trinidad.			7		1	Fla.,* Mass., N. Y., P. R.
Targionia sacchari (Coccidae):							
Saccharum officinarum (sugarcane).	Antigua, Cuba, Guatemala.			2	1		Fla.,* Mass., N. Y.
Teleonemia nigrina (Tingitidae):							
Antirrhinum majus (snapdragon).	Mexico			1			Tex.
Teleonemia scrupulosa (Tingitidae):							
Gladiolus sp	do			1			Tex.
Temnochila metallica (Ostomidae):							
Ananas sativus (pineapple)	do	1					Tex.
Tenthecoris bicolor (Miridae):							
Cattleya gaskelliana (orchid)	Venezuela			1			N. Y.
Cattleya gigas (orchid)	Colombia	1					Calif.*
Cattleya skinneri (orchid)	Venezuela			1			N. Y.
Cattleya sp. (orchid)	do	4					D. C.
Orchid	Honduras, Trinidad, Venezuela.	5		2			D. C., N. Y., P. R.
Termes panamensis (Termitidae):							
Swietenia mahogani (mahogany).	Honduras	1					N. Y.
Tesserocerus dejeani (Platypodidae):							
Tabebuia donnell-smithii (primavera).	Guatemala, Honduras	2					La., N. Y.
Tetraleurodes acaciae (Aleyrodidae):							
Sophora secundiflora (mescal bean).	Mexico			1			Tex.
Tetraleurodes ursorum (Aleyrodidae):							
Epigaea repens (trailing arbutus).	Prince Edward Island		1				Mass.
Tetyra pinguis (Pentatomidae):							
Cattleya sp. (orchid)	Brazil	1					Calif.*
Thrips angusticeps (Thripidae):							
Brassica oleracea botrytis (cauliflower).	Greece					1	N. Y.
Lactuca sativa (lettuce)	Italy					1	N. Y.
Lactuca sativa longifolia (Romaine lettuce).	France, Italy					3	N. Y.
Thyreocoris scarabaeoides (Cydnidae):							
Forest litter and sphagnum	Denmark	1					N. Y.
Tineid:							
Allium sativum (garlic)	Chile, Italy	1				1	N. Y., Tex.
Ananas sativus (pineapple)	Mexico	2					Tex.
Carica papaya (papaya)	Cuba, Dominican Republic, Jamaica, Mexico.	2				3	Ariz., N. Y.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
Tineid—Continued.							
Cattleya sp. (orchid)	Colombia, Venezuela	3	1				D. C.
Crocus sp	Netherlands	1					N. Y.
Galls on flower stem	Mexico			1			Tex.
Herb	Bermuda		1				Mass.
Hyacinthus sp	Turkey	1					D. C.
Laelia sp. (orchid)	Mexico	1					Tex.
Leaf, unknown	Guatemala	1					Mass.
Orchid	Trinidad		1				D. C.
Ricinus communis (castor bean).	Puerto Rico			1			N. Y.
Soil around chrysanthemum plant.	Mexico			1			Ariz.
Tabebuia donnell-smithii (primavera).	Honduras	1					La.
Tulipa sp	Netherlands	1					Mass.
Zea mays (corn)	Mexico			1			Tex.
Tortricid:							
Amygdalus persica nectarina (nectarine).	Chile	1					N. Y.
Beta vulgaris cicla (Swiss chard).	Mexico	1					Tex.
Calluna vulgaris (heather)	Scotland		1				Mass.
Capsicum annuum (pepper)	Cuba, Mexico	36		21			Ariz., N. Y., Tex.
Cattleya sp. (orchid)	Venezuela	1					D. C.
Cephalocereus senilis (old-man cactus).	Mexico	1					Tex.
Chrysanthemum sp	Japan, Mexico			2	1		Tex., Wash.
Citrus aurantifolia (lime)	Mexico	1					Tex.
Citrus nobilis deliciosa (Mandarin orange).	Japan	1					Wash.
Cut flowers	Mexico	1					Tex.
Gardenia florida (Cape-jasmine).	do	2					Tex.
Ilex sp. (holly)	Canada		1				N. Y.
Juniperus sp. (juniper)	Japan				1		Wash.
Lactuca sativa (lettuce)	Mexico			1			Tex.
Lilium longiflorum (Easter lily).	do	1					Tex.
Liriope graminifolia	Japan				1		N. Y.
Lycopersicum esculentum (tomato).	Mexico	5		2			Ariz., Calif., Tex.
Magnolia watsonii	Canada	1					Wash.
Malus sylvestris (apple)	Mexico			1			Tex.
Myrica sp	Scotland		1				N. Y.
Phaseolus sp. (string bean)	Mexico	1		1			Ariz.
Polianthes tuberosa	do			1			Tex.
Prunus domestica (plum)	Canada			1			Wash.
Prunus sp	Switzerland	1					D. C.
Quercus aliena (Oriental white oak).	England	1					D. C.
Quercus texana	do	1					D. C.
Rosa sp	Mexico, Panama			1			N. Y.
Sechium edule (chayote)	Mexico			1			Ariz.
Solanum melongena (eggplant).	do	1					Ariz.
Tagetes sp. (marigold)	do			1			Tex.
Vaccinium sp. (blueberry)	Newfoundland	1					Pa.
Torotrypana curvicauda (Trypetidae):							
In bag containing papaya fruit.	Puerto Rico			1			N. Y.
Trachyphloeus aristatus (Curculionidae):							
Forest litter and sphagnum moss.	Denmark	1					N. Y.
Trapezonotus arenarius (Lygaeidae):							
Forest litter and sphagnum moss.	do	1					N. Y.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
Traxus fulvus (Fulgoridae):							
Prosopis sp. (mesquite)	Mexico			1			Tex.
Trialeruodes varia (Aleyrodidae):							
Datura sp	do	1					Tex.
Trionymus peregrinus (Coccidae):							
Amaryllis sp	Netherlands	1					D. C.
Trionymus sacchari (Coccidae):							
Saccharum officinarum (sugarcane).	Hawaii, Martinique, Mexico.			3			Calif.*, N. Y., Tex.
Trioza alacris (Psyllidae):							
Laurus nobilis (Grecian laurel).	England, Italy				2		Mass., N. Y.
Trogoxylon prostomoides (Lyctidae):							
Herb	Mexico			1			Tex.
Troilus luridus (Pentatomidae):							
Forest litter and sphagnum moss.	Denmark	1					N. Y.
Tropistethus fasciatus (Lygaeidae):							
Ficus sp	Italy	1					Calif.*
Trypetid:							
Amygdalus persica (peach)	Union of South Africa					1	Mass.
Cut flowers	Mexico			1			Tex.
Lonicera sp	Sweden		1				D. C.
Prunus domestica (plum)	Union of South Africa					1	Mass.
Unidentified rhizome	Switzerland		1				Ill.
Unidentified seed pod	Mexico			1			Tex.
Wisteria sp	Japan	1					Wash.
Zinnia sp	Mexico			1			Tex.
Tylococcus giffardi (Coccidae):							
Pandanus sp	American Samoa			1			Hawaii.*
Ulopa reticulata (Cicadellidae):							
Calluna vulgaris (heather)	Scotland		1				Mich.
Vanduzea laeta segmentata (Membracidae):							
Dianthus sp. (carnation)	Mexico			1			Tex.
Prosopis sp. (mesquite)	do			1			Tex.
Vatissius diversus (Lygaeidae):							
Orchid	Guatemala	1					D. C.
Vilga mexicana (Coreidae):							
Orchid	Mexico	1					D. C.
Vinsonia stellifera (Coccidae):							
Achras sapota (sapodilla)	Cuba			1			Fla.*
Catasetum sp. (orchid)	Venezuela			1			D. C.
Lycaste sp. (orchid)	South America	1					Calif.*
Mangifera indica (mango)	Cuba, Dominican Republic.			2			N. Y.
Orchid	Dominican Republic, Trinidad.	1	2				D. C., P. R.
Stanhopea graveolens (orchid)	Trinidad			1			P. R.
Xyleborus affinis (Scolytidae):							
Ananas sativus (pineapple)	Mexico	1					Tex.
Tabebuia donnell-smithii (primavera).	Guatemala, Mexico	2					N. Y.
Xyleborus confusus (Scolytidae):							
Lycopersicum esculentum (tomato).	Mexico	1					Ariz.
Ochroma lagopus (balsa)	Ecuador	1					N. Y.
Solanum melongena (eggplant).	Cuba	1					N. Y.
Tabebuia donnell-smithii (primavera).	Mexico	3					N. Y.
Xyleborus fuscatus (Scolytidae):							
Guaiacum officinale (lignumvitae).	Nicaragua	1					N. Y.
Log	Dutch West Indies	1					N. Y.
Tabebuia donnell-smithii (primavera).	Guatemala, Mexico	2					N. Y.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
Xyleborus kraatzi (Scolytidae):							
Cryptocarya palmerstoni (Queensland walnut).	Australia	1					N. Y.
Xyleborus propinquus (Scolytidae):							
Anacardium rhinocarpus	Nicaragua	1					N. Y.
Cedrela odorata (cigarbox-cedar).	do	1					N. Y.
Tabebuia donnell-smithii (primavera).	Guatemala, Salvador	4					N. Y.
Xyleborus torquatus (Scolytidae):							
Tabebuia donnell-smithii	Mexico	1					N. Y.
Zabrotes subfasciatus (Bruchidae):							
Ananas sativus (pineapple)	do	3		10			Tex.
Antirrhinum majus (snapdragon).	do			1			Ariz.
Bean	Cuba, Mexico		1	58			D. C., Tex.
Capsicum annuum (pepper)	Mexico	1					Ariz.
Chrysanthemum sp.	do			4			Tex.
Physalis sp. (husk tomato)	do			2			Tex.
Pisum sativum (pea)	do			1			Tex.
Tagetes sp. (marigold)	do			1			Tex.
Vigna sinensis (cowpea)	Brazil	1					N. Y.
Zophobas morio (Tenebrionidae):							
Cattleya sp. (orchid)	Colombia, Venezuela	4					D. C.

Hosts and insects

ABIES:
Pityogenes chalcographus (Coleoptera).
ACACIA:
Acanthoscelides dominicanus (Coleoptera).
Acanthoscelides spinipes (Coleoptera).
ACER:
Olethreutid (Lepidoptera).
Pariatoria theae (Homoptera).
ACHRAS:
Anastrepha serpentina (Diptera).
Anastrepha sp. (Diptera).
Conotrachelus sp. (Coleoptera).
Vinsonia stellifera (Homoptera).
AGAVE:
Neella generosa (Hemiptera).
AGLAONEMA:
Endrosis lacteella (Lepidoptera).
ALLAMANDA:
Pseuduonidia clavigera (Homoptera).
ALLIUM CEPA:
Eumerus sp. (Diptera).
Frankliniella williamsi (Thysanoptera).
ALLIUM PORRUM:
Acrolepia assectella (Lepidoptera).
Agromyza sp. (Diptera).
ALLIUM SATIVUM:
Lophocateres pusillus (Coleoptera).
Nemapogon granella (Lepidoptera).
Tineid (Lepidoptera).
ALOPECURUS:
Agromyza sp. (Diptera).
AMARYLLIS:
Setomorpha insectella (Lepidoptera).
Thionymus peregrinus (Homoptera).
AMYGDALUS COMMUNIS:
Myelois ceratoniae (Lepidoptera).
AMYGDALUS PERSICA:
Anastrepha fraterculus (Diptera).
Anastrepha ludens (Diptera).
Anastrepha sp. (Diptera).
AMYGDALUS PERSICA—Continued.
Conotrachelus sp., possibly *nenuphar* (Coleoptera).
Grapholitha sp., probably *molesta* (Lepidoptera).
Grapholitha sp. (Lepidoptera).
Olethreutid (Lepidoptera).
Trypetid (Diptera).
AMYGDALUS PERSICA NECTARINA:
Megalometis chiliensis (Coleoptera).
Olethreutid (Lepidoptera).
Platynota sp. (Lepidoptera).
Tortricid (Lepidoptera).
ANACARDIUM:
Conotrachelus sp. (Coleoptera).
Platypus rugulosus (Coleoptera).
Xyleborus propinquus (Coleoptera).
ANANAS:
Alpheias conspirata (Lepidoptera).
Alpheias sp. (Lepidoptera)
Draeculacephala portola (Homoptera).
Metamasius hemipterus (Coleoptera)
Metamasius sericeus (Coleoptera).
Oedancala dorsilinea (Hemiptera).
Orthaea servillei (Hemiptera)
Phaedon confinis (Coleoptera).
Phyllophaga analis (Coleoptera).
Physonota attenuata (Coleoptera).
Platynota rostrana (Lepidoptera).
Platynota sp. (Lepidoptera)
Platypus rugulosus (Coleoptera).
Pleurophorus batesi (Coleoptera).
Psychid (Lepidoptera).
Pyroderces sp. (Lepidoptera).
Ribua innozia (Lepidoptera).
Sisamnes contractus (Hemiptera).
Targionia bromeliae (Homoptera).
Temnochila metallica (Coleoptera).
Tineid (Lepidoptera).
Xyleborus affinis (Coleoptera).
Zabrotes subfasciatus (Coleoptera).

Hosts and insects—Continued

ANDROPOGON:
Chilo sp. (Lepidoptera).
ANNONA:
Aspidiotus herculeanus (Homoptera).
Stenoma anomella (Lepidoptera).
ANTHURIUM:
Anaphothrips orchidii (Thysanoptera).
Ceroplastes rubens (Homoptera).
Puto barberi (Homoptera).
ANTIRRHINUM:
Allocoris incognita (Hemiptera).
Allocoris interupta (Hemiptera).
Autographa sp. (Lepidoptera).
Corizus sidae (Hemiptera).
Cyrtopeltis tenuis (Hemiptera).
Frankliniella fortissima (Thysanoptera).
Frankliniella insularis (Thysanoptera).
Haplothrips gowdeyi (Thysanoptera).
Kurtomathrips sp., close to *morrilli* (Thysanoptera).
Teleonemia nigrina (Hemiptera).
Zabrotes subfasciatus (Coleoptera).
APIUM:
Agromyza sp. (Diptera).
Autographa sp. (Lepidoptera).
ARACHIS:
Ptychopoda bonifata (Lepidoptera).
AREGELIA:
Gymnaspis aechmeae (Homoptera).
ASTER:
Haplothrips gowdeyi (Thysanoptera).
Leucopoecila albofasciata (Hemiptera).
Taeniothrips simplex (Thysanoptera).
ASTILBE:
Brachyrhinus sp. (Coleoptera).
AZALEA:
Amphorophora azaleae (Homoptera).
Brachyrhinus porcatus (Coleoptera).
Frankliniella tenuicornis (Thysanoptera).
Haplothrips subtilissimus (Thysanoptera).
Pseudaonidia paeoniae (Homoptera).
BANANA DEBRIS:
Metamasius sericeus (Coleoptera).
Psychid (Lepidoptera).
BEAN:
Callosobruchus chinensis (Coleoptera).
Marmara sp. (Lepidoptera).
Zabrotes subfasciatus (Coleoptera).
BEGONIA:
Platynota stultana (Lepidoptera).
BENINCASA:
Diaphania sp. (Lepidoptera).
Phyllotreta vittata discedens (Coleoptera).
BETA VULGARIS:
Drasteria cribratus (Coleoptera).
Empoasca solana (Homoptera).
BETA VULGARIS CICLA:
Autographa sp. (Lepidoptera).
Empoasca solana (Homoptera).
Tortricid (Lepidoptera).
BISMARCKIA:
Halimococcus lampas (Homoptera).
BOLUSANTHUS:
Caryedon sp. (Coleoptera).
BOUGAINVILLEA:
Leptodictya plana (Hemiptera).
BRASSAVOLA—See Orchidaceae.
BRASSIA—See Orchidaceae.
BRASSICA CAMPESTRIS:
Ceutorhynchus sp. (Coleoptera).
BRASSICA CHINENSIS:
Agromyza sp. (Diptera).
Ascia monuste (Lepidoptera).
Autographa sp. (Lepidoptera).
Cymoninus notabilis (Hemiptera).
Cyrtopeltis tenuis (Hemiptera).
Epilachna varivestis (Coleoptera).
Franklinothrips vespiformis (Thysanoptera).
Hellula phidilealis (Lepidoptera).
Hercothrips phaseoli (Thysanoptera).
Hortensia similis (Homoptera)
Liriomyza flaveola (Diptera).
Pachnaeus litus (Coleoptera).
Photinus nefarius (Coleoptera).
Phyllotreta vittata discedens (Coleoptera).
Phytomyza sp. (Diptera).
Pycnoderes quadrimaculatus (Hemiptera).
Sitona lineata (Coleoptera).
BRASSICA CHINENSIS—Continued.
Systena basalis (Coleoptera).
BRASSICA OLERACEA ACEPHALA:
Phytomyza sp. (Diptera).
BRASSICA OLERACEA BOTRYTIS:
Agromyza sp. (Diptera).
Autographa sp. (Lepidoptera).
Barathra brassicae (Lepidoptera).
Ceutorhynchus quadridens (Coleoptera).
Ceutorhynchus sp. (Coleoptera).
Phytomyza sp. (Diptera).
Psylliodes chrysocephala (Coleoptera).
Thrips angusticeps (Thysanoptera).
BRASSICA OLERACEA CAPITATA:
Acmaeodera tubulus (Coleoptera).
Agromyza sp. (Diptera).
Autographa sp. (Lepidoptera).
Barathra brassicae (Lepidoptera).
Ceutorhynchus sp., possibly *rapae* (Coleoptera).
Ceutorhynchus sp. (Coleoptera).
Forficula auricularia (Orthoptera).
Ischnorhynchus ericae (Hemiptera).
Nysius monticola (Hemiptera).
Phytomyza sp. (Diptera).
Psylliodes chrysocephala (Coleoptera).
BRASSICA OLERACEA GEMMIFERA:
Phyllotreta undulata (Coleoptera).
BRASSICA RAPA:
Agromyza sp. (Diptera).
Autographa sp. (Lepidoptera).
Ceutorhynchus pleurostigma (Coleoptera).
Ceutorhynchus sp. (Coleoptera).
Hellula undalis (Lepidoptera).
Phytomyza sp. (Diptera).
Psylliodes chrysocephala (Coleoptera).
BRASSICA SP. (mustard):
Agromyza sp. (Diptera).
Ascia monuste (Lepidoptera).
Autographa sp. (Lepidoptera).
Cyrtopeltis tenuis (Hemiptera).
Diaphania sp. (Lepidoptera).
Dikraneura cockerelli (Homoptera).
Epilachna varivestis (Coleoptera).
Franklinothrips vespiformis (Thysanoptera).
Hellula phidilealis (Lepidoptera).
Lygus elisus (Hemiptera).
Nabis alternata (Hemiptera).
Phyllotreta vittata discedens (Coleoptera).
Phytomyza sp. (Diptera)
Pyropus sapphirinus (Coleoptera).
Systena basalis (Coleoptera).
BRASSICA SP.
Phytomyza sp. (Diptera).
BROMELIAD:
Castnia sp. (Lepidoptera).
Puto barberi (Homoptera).
BROWNEA:
Dercynus micronyx (Coleoptera).
BRYOPHYLLUM:
Coccus viridis (Homoptera).
Hoplandrothrips xanthopoides (Thysanoptera).
CACTACEAE:
Ceratitis capitata (Diptera).
Gerstaeckeria mutillaria (Coleoptera).
Lepidosaphes philococcus (Homoptera).
Marmara sp., probably *opuntiella* (Lepidoptera).
Marmara sp. (Lepidoptera).
Moneilema opuntiae (Coleoptera).
Ogdoecosta biannularis (Coleoptera).
Tortricid (Lepidoptera).
CAESALPINIA:
Acanthoscelides dominicanus (Coleoptera).
CAJANUS:
Acanthoscelides armitagei (Coleoptera).
Callosobruchus chinensis (Coleoptera).
CALENDULA:
Frankliniella cephalica (Thysanoptera).
CALLUNA:
Forficula auricularia (Orthoptera).
Gelechia ericetella (Lepidoptera).
Micrelus ericae (Coleoptera).
Olethreutid (Lepidoptera).
Orthotylus virens (Hemiptera).
Rhinocola ericae (Homoptera).
Taeniothrips atratus (Thysanoptera).
Taeniothrips ericae (Thysanoptera).
Tortricid (Lepidoptera).
Ulopa reticulata (Homoptera).

Hosts and insects—Continued

CAMELLIA:
Anaphothrips orchidaceus (Thysanoptera).
Aspidiotus destructor (Homoptera).
Ceroplastes rubens (Homoptera).
Chrysomphalus dictyospermi var. (Homoptera).
Lepidosaphes camelliae (Homoptera).
Parlatoria camelliae (Homoptera).
Pseudaonidia duplex (Homoptera).
Pseudaonidia paeoniae (Homoptera).
Psychid (Lepidoptera).
Taeniothrips simplex (Thysanoptera).
CANAVALIA:
Cosmolyce boeticus (Lepidoptera).
Maruca testulalis (Lepidoptera).
CAPSICUM:
Agromyza sp. (Diptera).
Arvelius albopunctatus (Hemiptera).
Ataenius terminalis (Coleoptera).
Autographa sp. (Lepidoptera).
Ceratitis capitata (Diptera).
Exptochiomera oblonga (Hemiptera).
Faustinus cubae (Coleoptera).
Franklinothrips vespiformis (Thysanoptera).
Gnorimoschema gudmannella (Lepidoptera).
Keiferia lycopersicella (Lepidoptera).
Lorita abornana (Lepidoptera).
Lygaeus pulchellus (Hemiptera).
Marmara sp., near *opuntiella* (Lepidoptera).
Marmara sp. (Lepidoptera).
Palaeopus costicollis (Coleoptera).
Platynota rostrana (Lepidoptera).
Platynota stultana (Lepidoptera).
Platynota sp. (Lepidoptera).
Prodenia latifascia (Lepidoptera).
Pseudaonidia tesserata (Homoptera).
Systena basalis (Coleoptera).
Tortricid (Lepidoptera).
Zabrotes subfasciatus (Coleoptera).
CARICA:
Aspidiotus destructor (Homoptera).
Pseudoparlatoria ostreata (Homoptera).
Tineid (Lepidoptera).
CASIMIROA:
Anastrepha ludens (Diptera).
CASSIA:
Amblycerus nigromarginatus (Coleoptera).
Phelomerus aberrans (Coleoptera).
CASTANEA:
Curculio sp.(Coleoptera).
Laspeyresia splendana (Lepidoptera).
CATASETUM—See Orchidaceae.
CATTLEYA—See Orchidaceae.
CEDRELA:
Xyleborus propinquus (Coleoptera).
CEDRUS:
Hypsipyla grandella (Lepidoptera).
CELOSIA:
Haplothrips gowdeyi (Thysanoptera).
Rhinaclon forticornis (Hemiptera).
CENTAUREA:
Frankliniella williamsi (Thysanoptera).
CEPHALOCEREUS—See Cactaceae.
CHENOPODIUM:
Delphacodes campestris (Homoptera).
CHRYSANTHEMUM:
Aeolothrips duvali (Thysanoptera).
Bythoscopus misellus (Homoptera).
Ceratocapsus punctulatus (Hemiptera).
Frankliniella cephalica (Thysanoptera).
Frankliniella fortissima (Thysanoptera).
Frankliniella insularis (Thysanoptera).
Frankliniella williamsi (Thysanoptera).
Haplothrips gowdeyi (Thysanoptera).
Homoeosoma electellum (Lepidoptera).
Myzus ornatus (Homoptera).
Olethreutid (Lepidoptera).
Phytomyza sp. (Diptera).
Psychid (Lepidoptera).
Tortricid (Lepidoptera).
Zabrotes subfasciatus (Coleoptera).
CHRYSOPHYLLUM:
Anstrepha sp., probably *serpentina* (Diptera).
Anastrepha sp. (Diptera).
CICER:
Callosobruchus analis (Coleoptera).
CICHORIUM:
Agromyza pinguis (Diptera).
Creontiades pallidus (Hemiptera).
Napomyza lateralis (Diptera).
Sitona limosa (Coleoptera).
CITRUS AURANTIFOLIA:
Aleurocanthus woglumi (Homoptera).
Aonidiella comperei (Homoptera).
Marmara sp. (Lepidoptera).
Pseudococcus kraunhiae (Homoptera).
Tortricid (Lepidoptera).
CITRUS AURANTIUM:
Anastrepha ludens (Diptera).
Ceratitis capitata (Diptera).
Pseudaonidia duplex (Homoptera).
CITRUS GRANDIS:
Anastrepha ludens (Diptera).
Anastrepha sp., probably *fraterculus* (Diptera).
Anastrepha sp. (Diptera).
Ceratitis sp. (Diptera).
Chrysomphalus personatus (Homoptera).
Parlatoria ziziphus (Homoptera.)
Prays endocarpa (Lepidoptera).
Pseudaonidia trilobitiformis (Homoptera).
Pseudococcus lilacinus (Homoptera).
CITRUS LIMETTA:
Aleurocanthus woglumi (Homoptera).
Anastrepha ludens (Diptera).
CITRUS LIMONIA:
Aleurocanthus woglumi (Homoptera).
Chrysomphalus personatus (Homoptera).
Leucaspis cockerelli (Homoptera).
Parlatoria cineria (Homoptera).
Parlatoria ziziphus (Homoptera).
Pseudococcus citriculus (Homoptera).
CITRUS LIMONIA PONDEROSA:
Anastrepha ludens (Diptera).
CITRUS NOBILIS:
Chionaspis yanonensis (Homoptera).
Pseudaonidia duplex (Homoptera).
CITRUS NOBILIS DELICIOSA:
Anastrepha ludens (Diptera).
Ceratitis capitata (Diptera).
Chionaspis yanonensis (Homoptera).
Parlatoria ziziphus (Homoptera).
Pseudaonidia duplex (Homoptera).
Tortricid (Lepidoptera).
CITRUS SINENSIS:
Aleurocanthus woglumi (Homoptera).
Anastrepha ludens (Diptera).
Anastrepha serpentina (Diptera).
Anastrepha sp. (Diptera).
Ceratitis capitata (Diptera).
Chionaspis yanonensis (Homoptera).
Chrysomphalus personatus (Homoptera).
Coccus viridis (Homoptera).
Eumecosomyia nubila (Diptera).
Marmara sp. (Lepidoptera).
Myelois venipars (Lepidoptera).
Myelois sp. (Lepidoptera).
Olethreutid (Lepidoptera).
Parlatoria cinerea (Homoptera).
Parlatoria ziziphus (Homoptera).
Pseudaonidia duplex (Homoptera).
Pseudococcus citriculus (Homoptera).
CITRUS SINENSIS JUNOS:
Pseudaonidia duplex (Homoptera).
CITRUS SP.:
Parlatoria ziziphus (Homoptera).
Reuteroscopus uvidus (Hemiptera).
COCHLOSPERMUM:
Frankliniella cephalica (Thysanoptera).
COCOS:
Aspidiotus coryphae (Homoptera).
Aspidiotus destructor (Homoptera).
Cocotrypes bassiaeverus (Coleoptera).
Corcyra cephalonica (Lepidoptera).
Diocalandra taitensis (Coleoptera).
Ripersia palmarum (Homoptera).
CODIAEUM:
Aleuroplatus mammaeferus (Homoptera).
Lepidosaphes auriculata (Homoptera).
Lepidosaphes tasianthi (Homoptera).
Parlatoria crotonis (Homoptera).

Hosts and insects—Continued

COFFEA:
Ceratitis capitata (Diptera).
Coccus viridis (Homoptera).
Leucoptera coffeella (Lepidoptera).
Stephanoderes hampei (Coleoptera).
CORDEAUXIA:
Caryedon sp. (Coleoptera).
CORIANDRUM:
Agromyza sp. (Diptera).
Autographa sp. (Lepidoptera).
CORYLUS:
Ptinus japonicus (Coleoptera).
COULA:
Tapinoma melanocephalum (Hymenoptera).
CRATAEGUS:
Olethreutid (Lepidoptera).
Rhagoletis pomonella (Diptera).
Rhagoletis sp. (Diptera).
CROCUS:
Tineid (Lepidoptera).
CRYPTOCARYA:
Platypus australis (Coleoptera).
Xyleborus kraatzi (Coleoptera).
CUCUMIS:
Diaphania sp. (Lepidoptera).
CUCURBITA MAXIMA:
Diaphania sp. (Lepidoptera).
Geocoris sonoraensis (Hemiptera).
Lygaeus lateralis (Coleoptera).
Monotoma centralis (Coleoptera).
CUCURBITA PEPO:
Dacus sp. (Diptera).
CUPRESSUS:
Olethreutid (Lepidoptera).
Psychid (Lepidoptera).
CYCAS:
Coptotermes formosanus (Isoptera).
CYDONIA:
Anastrepha ludens (Diptera).
Anastrepha sp. (Diptera).
Conotrachelus flavangulus (Coleoptera).
Grapholitha sp. (Lepidoptera).
Myelois sp. (Lepidoptera).
CYMBIDIUM—See Orchidaceae.
CYNARA:
Agriotes sp. (Coleoptera).
Anuraphis cynariella (Homoptera).
CYPRIPEDIUM—See Orchidaceae.
CYTISUS:
Bruchidius lividimanus retamae (Coleoptera).
Bruchidius villosus (Coleoptera).
DAHLIA:
Conotrachelus leucophaeatus (Coleoptera).
Frankliniella fortissima (Thysanoptera).
Frankliniella insularis (Thysanoptera).
Iridomyrmex humilis (Hymenoptera).
Psallus seriatus (Hemiptera).
DAISY:
Aeolothrips duvali (Thysanoptera).
Amorbia emigratella (Lepidoptera).
Frankliniella cephalica (Thysanoptera).
Frankliniella fortissima (Thysanoptera).
DATURA:
Trialeurodes varia (Homoptera).
DAUCUS:
Agromyza sp. (Diptera).
Allocoris incognita (Hemiptera).
Platynota sp. (Lepidoptera).
Psila rosae (Diptera).
DELPHINIUM:
Brochymena sulcata (Hemiptera).
DENDROBIUM—See Orchidaceae.
DENDROCALAMUS:
Odonaspis pencillata (Homoptera).
DERRIS:
Dinoderus bifoveolatus (Coleoptera).
Sinozylon anale (Coleoptera).
DIANTHUS:
Cyrtopeltis tenuis (Hemiptera).
Frankliniella fortissima (Thysanoptera).
Frankliniella melanommatus (Thysanoptera).
Haplothrips gowdeyi (Thysanoptera).
Taeniothrips simplex (Thysanoptera).
Vanduzea lacta segmentata (Homoptera).
DIOCLEA:
Cosmolyce boeticus (Lepidoptera).
Maruca testulalis (Lepidoptera).
Taeniothrips hawaiiensis (Thysanoptera).
DIOSCOREA:
Leptostylus testaceus (Coleoptera).
Setomorpha insectella (Lepidoptera).
Targionia hartii (Homoptera).
DIOSPYROS:
Lepidosaphes conchiformis (Homoptera).
Pseudaonidia duplex (Homoptera).
Pseudococcus krausnhiae (Homoptera).
ECHEVERIA:
Anaphothrips secticornis (Thysanoptera).
ENCEPHALARTOS:
Antliarhinus zamiae (Coleoptera).
Diaspis zamiae (Homoptera).
EPIDENDRUM—See Orchidaceae.
EPIGAEA:
Tetraleurodes ursorum (Homoptera).
ERIA—See Orchidaceae.
ERIGERON:
Hofmannophila pseudospretella (Lepidoptera).
EUGENIA:
Conotrachelus sp. (Coleoptera).
Curculio sp. (Coleoptera).
Pseudaonidia trilobitiformis (Homoptera).
EUONYMUS:
Adozophyes privatana (Lepidoptera).
Aphis rumicis (Homoptera).
Psychid (Lepidoptera).
EUPHORBIA:
Asterolecanium stentae (Homoptera).
FERN:
Stephanoderes guatemalensis (Coleoptera).
FICUS:
Acalypta parvula (Hemiptera).
Ceroplastes rusci (Homoptera).
Gynaikothrips uzeli (Thysanoptera).
Hypoborus ficus (Coleoptera).
Lepidosaphes ficus (Homoptera).
Mecinus circulatus (Coleoptera).
Plinthisus brevipennis (Hemiptera)
Pogonocherus hispidulus (Coleoptera).
Tropistethus fasciatus (Hemiptera).
FRAGARIA:
Orthaea bilobata (Hemiptera).
FRAXINUS:
Hylesinus fraxini (Coleoptera).
Leperisinus fraxini (Coleoptera).
GALANTHUS:
Merodon sp. (Diptera).
GARDENIA:
Aleurodicus manni (Thysanoptera).
Amorbia emigratella (Lepidoptera).
Autographa sp. (Lepidoptera).
Chirothrips falsus (Thysanoptera).
Coccus viridis (Homoptera).
Empoasca solana (Homoptera).
Euryopthalmus cinctus (Hemiptera).
Haplothrips gowdeyi (Thysanoptera).
Isochaetothrips sp. (Thysanoptera).
Nesosteles incisus (Homoptera).
Protopulvinaria pyriformis (Homoptera).
Sylepta silicalis (Lepidoptera).
Tortricid (Lepidoptera).
GENIPA:
Pinnaspis minor strachani (Homoptera).
GENISTA:
Bruchidius villosus (Coleoptera).
GERBERIA:
Frankliniella melanommatus (Thysanoptera).
Haplothrips gowdeyi (Thysanoptera).
GLADIOLUS:
Frankliniella insularis (Thysanoptera).
Taeniothrips simplex (Thysanoptera).
Teleonema serupulosa (Hemiptera).
GNAPHALIUM:
Dinoderus bifoveolatus (Coleoptera).
GOSSYPIUM:
Bucculatrix sp., probably *thurberiella* (Lepidoptera).
Corcyra cephalonica (Lepidoptera).
Pectinophora gossypiella (Lepidoptera).
Setomorpha insectella (Lepidoptera).
GRAMMATOPHYLLUM—See Orchidaceae.
GREVILLEA:
Brontes australis (Coleoptera).
GUAIACUM:
Laemophloeus iteratus (Coleoptera).
Neoclytus cacicus (Coleoptera).
Xyleborus fuscatus (Coleoptera).

Hosts and insects—Continued

GUILIELMA:
Asterolecanium urchi (Homoptera).
GYPSOPHILA:
Taeniothrips simplex (Thysanoptera).
HAWORTHIA:
Chionaspis humilis (Homoptera).
HEDYSARUM:
Bruchidius gilvus (Coleoptera).
HELIANTHUS:
Agromyza sp. (Diptera).
HELICONIA:
Cephaloleia pretiosa (Coleoptera).
Dactylosternum centrale (Coleoptera).
Fulvius quadristellatus (Hemiptera).
HELIOTROPIUM:
Cyrtopeltis varians (Hemiptera).
HEMEROCALLIS:
Myzus hemerocallis (Homoptera).
HERB:
Agromyza sp. (Diptera).
Amphicerus cornutus (Coleoptera).
Franklinella williamsi (Thysanoptera).
Orthaea vincta (Hemiptera).
Ptychopoda bonifata (Lepidoptera).
Ptychopoda sp. (Lepidoptera).
Tineid (Lepidoptera).
Trogoxylon prostomoides (Coleoptera).
HIBISCUS ESCULENTUS:
Crocidosema plebeiana (Lepidoptera).
Pectinophora gossypiella (Lepidoptera).
HIBISCUS SP.
Crocidosema plebeiana (Lepidoptera).
Pinnaspis minor strachani (Homoptera).
Pseudaonidia clavigera (Homoptera).
Pseudaonidia tesserata (Homoptera).
HICORIA:
Curculio sp. (Coleoptera).
HOLCUS SORGHUM:
Peregrinus maidis (Homoptera).
HOLMSKIOLDIA:
Pseudaonidia tesserata (Homoptera).
HURA:
Pinnaspis minor var. (Homoptera).
HYACINTHUS:
Merodon sp. (Diptera).
ILEX:
Tortricid (Lepidoptera).
INGA:
Anastrepha distincta (Diptera).
Conotrachelus sp. (Coleoptera).
Stenoma sp. (Lepidoptera).
IPOMOEA:
Cylas femoralis (Coleoptera).
Cylas formicarius (Coleoptera).
Cylas puncticollis (Coleoptera).
Euscepes postfasciatus (Coleoptera).
Megacerus alternatus (Coleoptera).
Palaeopus costicollis (Coleoptera).
IRIS:
Agromyza sp. (Diptera).
Hofmannophila pseudospretella (Lepidoptera).
Taeniothrips simplex (Thysanoptera).
IXORA:
Coccus viridis (Homoptera).
JASMINUM:
Haplothrips gowdeyi (Thysanoptera).
JUGLANS:
Rhagoletis sp. (Diptera).
JUNIPERUS:
Diaspis visci (Homoptera).
Tortricid (Lepidoptera).
LABURNUM:
Bruchidius villosus (Coleoptera).
LACTUCA:
Agallia producta (Homoptera).
Agromyza sp. (Diptera).
Allocoris incognita (Hemiptera).
Amphicerus cornutus (Coleoptera).
Anacentrinus blanditus (Coleoptera).
Autographa sp. (Lepidoptera).
Baldulus elimatus (Homoptera).
Ceratocapsus punctulatus (Hemiptera).
Ceutorhynchus sp. (Coleoptera).
Corizus sidae (Hemiptera).
Draeculacephala minerva (Homoptera).
Empoasca abrupta (Homoptera).
Empoasca solana (Homoptera).
Eumecosomyia nubila (Diptera).

LACTUCA—Continued.
Frankliniella williamsi (Thysanoptera).
Leucopoecila albofasciata (Hemiptera).
Ligyrocoris setosus (Hemiptera).
Lygaeus vittiscutis (Hemiptera).
Lygus sallei (Hemiptera).
Macrosteles divisus (Homoptera).
Nabis alternata (Hemiptera).
Nabis angustatus (Hemiptera).
Nysius ericae (Hemiptera).
Nysius monticola (Hemiptera).
Platynota stultana (Lepidoptera).
Platynota sp. (Lepidoptera).
Pycnoderes quadrimaculatus (Hemiptera).
Scaphytopius irroratus (Homoptera).
Simulium rirgatum (Diptera).
Sizeonotus areolatus (Hemiptera).
Thrips angusticeps (Thysanoptera).
Tortricid (Lepidoptera).
LAELIA—See Orchidaceae.
LAGERSTROEMIA:
Coccus viridis (Homoptera).
LATHYRUS:
Bruchus affinis (Coleoptera).
Frankliniella cubensis (Thysanoptera).
Haplothrips gowdeyi (Thysanoptera).
Psallus seriatus (Hemiptera).
LAURUS:
Parlatoria crotonis (Homoptera).
Ptychopoda sp. (Lepidoptera).
Trioza alacris (Homoptera).
LAVANDULA:
Taeniothrips atratus (Thysanoptera).
LENS:
Bruchus ervi (Coeloptera).
Bruchus lentis (Coleoptera).
Bruchus pallidicornis (Coleoptera).
LESPEDEZA:
Psychid (Lepidoptera).
LILIUM:
Amorbia emigratella (Lepidoptera).
Frankliniella fortissima (Thysanoptera).
Frankliniella melanommatus (Thysanoptera).
Haplothrips gowdeyi (Thysanoptera).
Lilioceris lilii (Coleoptera).
Lithrips vaneeckei (Thsyanoptera).
Tortricid (Lepidoptera).
LIRIOPE:
Tortricid (Lepidoptera).
LITCHI:
Pachnaeus litus (Coleoptera).
LIVISTONA:
Coccotrypes pygmaeus (Coleoptera).
LOG:
Bitoma paralella (Coleoptera).
Dinoderus bifoveolatus (Coleoptera).
Hypsipyla grandella (Lepidoptera).
Xyleborus fuscatus (Coleoptera).
LONICERA:
Trypetid.
LYCASTE—See Orchidaceae.
LYCOPERSICUM:
Agromyza sp. (Diptera).
Amorbia emigratella (Lepidoptera).
Autographa sp. (Lepidoptera).
Erpiochiomera oblonga (Hemiptera).
Geotomus parvulus (Hemiptera).
Gnorimoschema gudmannella (Lepidoptera).
Keifera lycopersicella (Coleoptera).
Ligyrocoris nitidulus (Hemiptera).
Lineodes integra (Lepidoptera).
Lorita abornana chatka (Lepidoptera).
Platynota rostrana (Lepidoptera).
Platynota stultana (Lepidoptera).
Platynota sp. (Lepidoptera).
Prodenia latifascia (Lepidoptera).
Setomorpha insectella (Lepidoptera).
Sisamnes contractus (Hemiptera).
Strymon critola (Lepidoptera).
Tortricid (Lepidoptera).
Xyleborus confusus (Coleoptera).
LYCORIS:
Merodon sp. (Diptera).
MAGNOLIA:
Pseudaonidia duplex (Homoptera).
Tortricid (Lepidoptera).
MAHONIA:
Pseudococcus gahani (Homoptera).

Hosts and insects—Continued

MALUS:
Anastrepha sp. (Diptera).
Epidiaspis piricola (Homoptera).
Eriosoma crataegi (Homoptera).
Forficula auricularia (Orthoptera).
Grapholitha sp. (Lepidoptera).
Lecanium coryli (Homoptera).
Parlatoria oleae (Homoptera).
Rhagoletis pomonella (Diptera).
Tortricid (Lepidoptera).
MAMMEA:
Anastrepha serpentina (Diptera).
Aspidiotus spinosus (Homoptera).
MAMMILLARIA—See Cactaceae.
MANGIFERA:
Anastrepha ludens (Diptera).
Anastrepha mombinpraeoptans (Diptera).
Anastrepha sp. (Diptera).
Aulacaspis mangiferae (Homoptera).
Chrysomphalus dictyospermi var. (Homoptera).
Pseudaonidia trilobitiformis (Homoptera).
Sternochetus mangiferae (Coleoptera).
Vinsonia stellifera (Homoptera).
MANIHOT:
Lepidosaphes alba (Homoptera).
MATRICARIA:
Agallia producta (Homoptera).
Agromyza sp. (Diptera).
MENTHA:
Agromyza sp. (Diptera).
Frankliniella tenuicornis (Thysanoptera).
Frankliniella williamsi (Thysanoptera).
MIMOSA:
Olethreutid (Lepidoptera).
MOMORDICA:
Platynota sp. (Lepidoptera).
MUSA:
Aspidiotus destructor (Homoptera).
Metamasius sericeus (Coleoptera).
Metamasius sericeus carbonarius (Coleoptera).
MUSCARI:
Exosoma lusitanica (Coleoptera).
MYRICA:
Tortricid (Lepidoptera).
MYRICARIA:
Conotrachelus sp. (Curculionidae).
MYRTILLOCACTUS—See Cactaceae.
MYRTUS:
Myzus ornatus (Homoptera).
NARCISSUS:
Eumerus sp. (Diptera).
Merodon sp. (Diptera).
OCHROMA:
Xyleborus confusus (Coleoptera).
ODONTOGLOSSUM—See Orchidaceae.
OLEA:
Dacus oleae (Diptera).
ONCIDIUM—See Orchidaceae.
ONOBRYCHIS:
Bruchidius silvus (Coleoptera).
OPUNTIA—See Cactaceae.
ORNITHOGALUM:
Frankliniella schultzei (Thysanoptera).
Haplothrips nigricornis (Thysanoptera).
Taeniothrips fumosa (Thysanoptera).
Taeniothrips simplex (Thysanoptera).
ORYZA:
Chilo simplex (Lepidoptera).
Corcyra cephalonica (Lepidoptera).
ORCHIDACEAE:
Agromyza sp. (Diptera).
Anaphothrips orchidaceous (Thysanoptera).
Anaphothrips orchidii (Thysanoptera).
Anthonomus funereus (Coleoptera).
Archimerus scutellaris (Hemiptera).
Asterolecanium aureum (Homoptera).
Castnia sp. (Lepidoptera).
Cerotoma atrofasciata (Coleoptera).
Chirothrips falsus (Thysanoptera).
Chrysomphalus bowreyi (Homoptera).
Chrysomphalus nigropunctatus (Homoptera).
Chrysomphalus odontoglossi (Homoptera).
Chrysomphalus umboniferus (Homoptera).
Conchaspis angraeci (Homoptera).
Cryphula apicatus (Hemiptera).
Disonycha antonnata (Coleoptera).
Eurycipitia vestitus (Hemiptera).

ORCHIDACEAE—Continued.
Eurytoma orchidearum (Hymenoptera).
Euschistus spurculus (Hemiptera).
Exptochiomera tumens (Hemiptera).
Frankliniella insularis (Thysanoptera).
Fulvius bisbistillatus (Hemiptera).
Fulvius sp. (Hemiptera).
Furcaspis biformis (Homoptera).
Heraeus cincticornis (Hemiptera).
Hercothrips errans (Thysanoptera).
Herculia psammioxantha (Lepidoptera).
Iridomyrmex iniguus (Hymenoptera).
Iridomyrmex iniguus nigella (Hymenoptera).
Iridomyrmex melleus (Hymenoptera).
Lecaniodiaspis dendrobii (Homoptera).
Lepidosaphes tuberculata (Homoptera).
Leucaspis cockerelli (Homoptera).
Ligyrocoris abdominalis (Hemiptera).
Mamurius mopsus (Hemiptera).
Mertila malayensis (Hemiptera).
Mordellistena cattleyana (Coleoptera).
Mordellistena chapini (Coleoptera).
Mordellistena sp. (Coleoptera).
Mormidea cubrosa (Hemiptera).
Mormidea v luteum (Hemiptera).
Ochlerus notatulus (Hemiptera).
Olethreutid (Lepidoptera).
Orchidophilus aterrimus (Coleoptera).
Orchidophilus sp. (Coleoptera).
Parallelodiplosis cattleyae (Diptera).
Parlatoria pseudaspidiotus (Homoptera).
Phytomyza sp. (Diptera).
Pinnaspis townsendi (Homoptera).
Pseudaonidia curculiginis (Homoptera).
Pseudaonidia trilobitiformis (Homoptera).
Pseudishnaspis alienus (Homoptera).
Pseudococcus lilacinus (Homoptera).
Psychid (Lepidoptera).
Pulvinaria floccifera (Homoptera).
Taeniothrips simplex (Thysanoptera).
Taeniothrips xanthius (Thysanoptera).
Tenthecoris bicolor (Hemiptera).
Tetyra pinguis (Hemiptera).
Tineid (Lepidoptera).
Tortricid (Lepidoptera).
Vatissius diversus (Hemiptera).
Vilga mexicana (Hemiptera).
Vinsonia stellifera (Homoptera).
Zophobas morio (Coleoptera).
PACHYCEREUS—See Cactaceae.
PACKING:
Acalypta musci (Hemiptera).
Anacaena globulus (Coleoptera).
Apion flavipes (Coleoptera).
Brachyrhinus rugosostriatus (Coleoptera).
Cercyon melanocephalus (Coleoptera).
Ceutorhynchus atomus (Coleoptera).
Ceutorhynchus contractus (Coleoptera).
Chrysolina brunsvicensis (Coleoptera).
Corizus parumpunctatus (Hemiptera).
Cryptopleurum atomarium (Coleoptera).
Drymus sylvaticus (Hemiptera).
Eucalandra setulosa (Coleoptera).
Eurydema oleraceum (Hemiptera).
Forficula auricularia (Orthoptera).
Haplothrips aculeatus (Thysanoptera).
Hypera arator (Coleoptera).
Hypera nigrirostris (Coleoptera).
Hypera postica (Coleoptera).
Hypocassida subferruginea (Coleoptera).
Ogdorcosta biannularis (Coleoptera).
Pantomorus xanthographus (Coleoptera).
Phyllotreta undulata (Coleoptera).
Sciaphilus muricatus (Coleoptera).
Sphaeridium bipustulatum (Coleoptera).
Strophosoma melanogrammum (Coleoptera).
Strophosoma rufipes (Coleoptera).
Taphropeltus contractus (Hemiptera).
Thyrencoris scarabaeoides (Hemiptera).
Trachyphloeus aristatus (Coleoptera).
Trapezonotus arenarius (Hemiptera).
Troilus luridus (Hemiptera).
PAEONIA:
Brachylacon murinus (Coleoptera).
PALM:
Aspidiotus destructor (Homoptera).
Ceroplastes rubens (Homoptera).

Hosts and insects—Continued

PANDANUS:
Lepidosaphes chinensis (Homoptera).
Tylococcus giffardi (Homoptera).
PARKINSONIA:
Phelomerus germaini (Coleoptera).
PEDILANTHUS:
Lepidosaphes carinata (Homoptera).
PELTOPHORUM:
Caryedon sp. (Coleoptera).
PERSEA:
Anastrepha ludens (Diptera).
Anastrepha sp. (Diptera).
Aspidiotus spinosus (Homoptera).
Ceratitis capitata (Diptera).
Chrysomphalus dictyospermi var. (Homoptera).
Chrysomphalus personatus (Homoptera).
Conotrachelus sp. (Coleoptera).
Heilipus sp. (Coleoptera).
Marmara sp. (Lepidoptera).
Stenoma sp. (Lepidoptera).
PETROSELINUM:
Autographa sp. (Lepidoptera).
Frankliniella williamsi (Thysanoptera).
Phyllotreta albionica (Coleoptera).
PETUNIA:
Cyrtopeltis tenuis (Hemiptera).
Lygus elisus (Hemiptera).
PHALAENOPSIS—See Orchidaceae.
PHASEOLUS LUNATUS MACROCARPUS:
Epinotia opposita (Lepidoptera).
PHASEOLUS MUNGO RADIATUS:
Callosobruchus chinensis (Coleoptera).
PHASEOLUS SP. (string bean):
Agromyza sp., very close to *burgessi* (Diptera).
Agromyza sp. (Diptera).
Callosobruchus chinensis (Coleoptera).
Chalcodermus sp. (Coleoptera).
Epinotia opposita (Lepidoptera).
Keiferia lycopersicella (Lepidoptera).
Maruca testulalis (Lepidoptera).
Naucles pusio (Coleoptera).
Olethreutid (Lepidoptera).
Pyrausta nubilalis (Lepidoptera).
Tortricid (Lepidoptera).
PHOENIX:
Coccotrypes dactyliperda (Coleoptera).
PHYSALIS:
Zabrotes subfasciatus (Coleoptera).
PICEA:
Ernobius abietis (Coleoptera).
Laspeyresia strobilella (Lepidoptera).
PINUS:
Ips suturalis (Coleoptera).
Leucaspis loewi (Homoptera).
Myelophilus minor (Coleoptera).
Pineus coloradensis (Homoptera).
Pityogenes chalcographus (Coleoptera).
Poliaspis pini (Homoptera).
Ptochoryctis tsugensis (Lepidoptera).
PISTACIA:
Lepidosaphes pistaciae (Homoptera).
Megastigmus pistaciae (Thysanoptera).
PISUM:
Agromyza sp. (Diptera).
Forsebia perlaeta (Lepidoptera).
Franklinothrips vespiformis (Thysanoptera).
Phyllotreta vittata discedens (Coleoptera).
Phytomyza sp. (Diptera).
Platynota stultana (Lepidoptera).
Zabrotes subfasciatus (Coleoptera).
PODOCARPUS:
Olethreutid (Lepidoptera).
POLIANTHES:
Isochaetothrips sp. (Thysanoptera).
Tortricid (Lepidoptera).
PORTULACA:
Heliodines bella (Lepidoptera).
Platynota stultana (Lepidoptera).
Psychid (Lepidoptera).
PRIMULA:
Myzus ornatus (Homoptera).
PROSOPIS:
Acanalonia laticosta (Homoptera).
Drasterius cribratus (Coleoptera).
Kalotermes synderi (Isoptera).
Laspeyresia membrosa (Lepidoptera).
Leuronota maculata (Homoptera).
Neuroctenus simplex (Hemipitera)

PROSOPIS—Continued.
Olethreutid (Lepidoptera).
Placosternus difficilis (Coleoptera).
Platynota sp. (Lepidoptera).
Psychid (Lepidoptera).
Rhipibruchus picturatus (Coleoptera).
Scirtothrips prosopis (Thysanoptera).
Traxus fulvus (Homoptera).
Vanduzea laeta segmentata (Homoptera).
PRUNUS ARMENIACA:
Anastrepha sp., probably *fraterculus* (Diptera).
PRUNUS AVIUM SYLVESTRIS:
Anthonomus rectirostris (Coleoptera).
PRUNUS DOMESTICA:
Grapholitha sp., probably *molesta* (Lepidoptera).
Olethreutid (Lepidoptera).
Parlatoria oleae (Homoptera).
Tortricid (Lepidoptera).
Trypetid (Diptera).
PRUNUS MAHALEB:
Agromyza sp. (Diptera).
PRUNUS SALESII:
Conotrachelus sp. (Coleoptera).
PRUNUS SP. (cherry):
Parlatoria oleae (Homoptera).
PRUNUS SP.:
Lecanium coryli (Homoptera).
Tortricid (Lepidoptera).
PSEUDANANAS:
Phaedon confinis (Coleoptera).
PSIDIUM:
Anastrepha mombinpraeoptans (Diptera).
Anastrepha suspensa (Diptera).
Anastrepha sp. (Diptera).
Coccus viridis (Homoptera).
Conotrachelus sp. (Coleoptera).
PUERARIA:
Callosobruchus ademptus (Coleoptera).
PUNICA:
Anastrepha ludens (Diptera).
Dacus oleae (Diptera).
Myelois ceratoniae (Lepidoptera).
PYRUS:
Anastrepha ludens (Diptera).
Anastrepha sp. (Diptera).
Ceratitis capitata (Diptera).
Epidiaspis piricola (Homoptera).
Grapholitha sp. (Lepidoptera).
Lepidosaphes conchiformis (Homoptera).
Parlatoria oleae (Homoptera).
Psallus seriatus (Hemiptera).
Pseudococcus gahani (Homoptera).
Psychid (Lepidoptera).
QUERCUS:
Andricus glandium (Hymenoptera).
Callirhytis glandulosa (Hymenoptera).
Conotrachelus sp. (Coleoptera).
Curculio sp. (Coleoptera).
Tortricid (Lepidoptera).
RADICULA ARMORACIA:
Baris lepidii (Coleoptera).
RADICULA NASTURTIUM AQUATICUM:
Autographa sp. (Lepidoptera).
RAMONDIA:
Myzus ornatus (Homoptera).
RAPHANUS:
Agromyza sp. (Diptera).
Autographa sp. (Lepidoptera).
Cyrtopeltis tenuis (Hemiptera).
Haplothrips aowdeyi (Thysanoptera).
Heltula phidilealis (Lepidoptera).
Phyllotreta vittata discedens (Coleoptera).
Phytomyza sp. (Diptera).
RENANTHERA—See Orchidaceae.
RHODODENDRON:
Dialeurodes chittendeni (Homoptera).
RIBES:
Epochra sp. (Diptera).
RICINUS:
Tineid (Lepidoptera).
ROSA:
Allantus cinctus (Hymenoptera).
Anoplodera crassipes (Coleoptera).
Frankliniella cephalica (Thysanoptera).
Frankliniella cubensis (Thysanoptera).
Frankliniella fortissima (Thysanoptera).
Frankliniella insularis (Thysanoptera).
Franklinella williamsi (Thysanoptera).

Hosts and insects—Continued

ROSA—Continued.
Gastrothrips sp. (Thysanoptera).
Haplothrips gowdeyi (Thysanoptera).
Naucles pusio (Coleoptera).
Olethreutid (Lepidoptera).
Spilographa sp., possibly *setosa* (Diptera).
Tortricid (Lepidoptera).
ROYSTONEA:
Aspidiotus destructor (Homoptera).
SACCHARUM:
Chilo sp. (Lepidoptera).
Pseudococcus boninsis (Homoptera).
Targionia sacchari (Homoptera).
Trionymus sacchari (Homoptera).
SALIX:
Gracilia minuta (Coleoptera).
SALVIA:
Eupteryx melissae (Homoptera).
SAPOTE:
Anastrepha serpentina (Diptera).
Anastrepha sp. (Diptera).
SCABIOSA:
Frankliniella fortissima (Thysanoptera).
SEBASTIANIA:
Grapholitha saltitans (Lepidoptera).
SECHIUM:
Tortricid (Lepidoptera).
SENECIO:
Phytomyza sp. (Diptera).
SERJANIA:
Dinoderus bifoveolatus (Coleoptera).
Sinoxylon conigerum (Coleoptera).
SINNINGIA:
Brachyrhinus sp. (Coleoptera).
SOBRALIA—See Orchidaceae.
SOIL:
Brachyrhinus sp. (Coleoptera).
Eleodes tricostata (Coleoptera).
Galgupha punctifer (Hemiptera).
Tineid (Lepidoptera).
SOJA:
Cosmolyce boeticus (Lepidoptera).
SOLANUM MELONGENA:
Clerada apicicornis (Hemiptera).
Exptochiomera oblonga (Hemiptera).
Leucopoecila albofasciata (Hemiptera).
Matigramma rubrosuffusa (Lepidoptera).
Pachyzancla perusalis (Lepidoptera).
Tortricid (Lepidoptera).
Xyleborus confusus (Coleoptera).
SOLANUM TUBEROSUM:
Epicaerus cognatus (Coleoptera).
SOPHORA:
Tetraleurodes acaciae (Homoptera).
SORBUS:
Parlatoria oleae (Homoptera).
SPARTIUM:
Bruchidius villosus (Coleoptera).
SPATHOGLOTTIS—See Orchidaceae.
SPINACIA:
Conotrachelus sp., apparently *seniculus* (Coleoptera).
SPONDIAS:
Anastrepha mombinpraeoptans (Diptera).
STANHOPEA—See Orchidaceae.
SWIETENIA:
Hypsipyla grandella (Lepidoptera).
Termes panamaensis (Isoptera).
TABEBUIA:
Brentus mexicanus (Coleoptera).
Cercyon quisquilius (Coleoptera).
Laemophloeus iteratus (Coleoptera).
Neoclytus cacicus (Coleoptera).
Platypus rugulosus (Coleoptera).
Tesserocerus dejeani (Coleoptera).
Tineid (Lepidoptera).
Xyleborus affinis (Coleoptera).
Xyleborus confusus (Coleoptera).
Xyleborus fuscatus (Coleoptera).
Xyleborus propinquus (Coleoptera).
Xyleborus torquatus (Coleoptera).
TAGETES:
Agromyza sp. (Diptera).
Haplothrips gowdeyi (Thysanoptera).
Ligyrocoris nitidicollis (Hemiptera).
Ptychopoda sp. (Lepidoptera).
Setomorpha insectella (Lepidoptera).
Tortricid (Lepidoptera).
Zabrotes subfasciatus (Coleoptera).
TAMARINDUS:
Callosobruchus chinensis (Coleoptera).
Caryedon fuscus (Coleoptera).
Cylas formicarius (Coleoptera).
Myelois sp. (Lepidoptera).
TAMARIX:
Brochymena aculeata (Hemiptera).
Psychid (Lepidoptera).
TAXUS:
Hadrobregmus destructor (Coleoptera).
TERMINALIA:
Aspidiotus destructor (Homoptera).
THUNBERGIA:
Orthezia praelonga (Homoptera).
TILLANDSIA:
Mormidea pictiventris (Hemiptera).
TITHONIA:
Agromyza sp. (Diptera).
Olethreutid (Lepidoptera).
TRICHOGLOTTIS—See Orchidaceae.
TRITONIA:
Iridomyrmex humilis (Hymenoptera).
TROPAEOLUM:
Agromyza sp. (Diptera).
TULIPA:
Endrosis lacteella (Lepidoptera).
Forficula auricularia (Orthoptera).
Tineid (Lepidoptera).
VACCINIUM:
Olethreutid (Lepidoptera).
Torticid (Lepidoptera).
VALLOTA:
Forficula auricularia (Orthoptera).
VANDA—See Orchidaceae.
VANILLA—See Orchidaceae.
VICIA:
Apion pomonae (Coleoptera).
Bruchus affinis (Coleoptera).
Bruchus brachialis (Coleoptera).
Bruchus luteicornis (Coleoptera).
Bruchus rufipes (Coleoptera).
Olethreutid (Lepidoptera).
VIGNA:
Callosobruchus analis (Coleoptera).
Zabrotes subfasciatus (Coleoptera).
VITIS:
Phlyctinus callosus (Coleoptera).
Polychrosis botrana (Lepidoptera).
Psychid (Lepidoptera).
WISTERIA:
Phenacaspis fujicola (Homoptera).
Trypetid (Diptera).
ZAMIA:
Pinnaspis minor strachani (Homoptera).
ZANTEDESCHIA:
Chaetopsis fulvifrons (Diptera).
ZEA:
Chilo sp. (Lepidoptera).
Diatraea crambidoides (Lepidoptera).
Eucnocerus anthrenoides (Coleoptera).
Eumecosomyia nubila (Diptera).
Euxesta stigmatias (Diptera).
Frankliniella williamsi (Thysanoptera).
Moodna bisinuella (Lepidoptera).
Neurocolpus mexicanus (Hemiptera).
Pyroderces sp. (Lepidoptera).
Tineid (Lepidoptera).
ZINNIA:
Agromyza sp. (Diptera).
Haplothrips gowdeyi (Thysanoptera).
Psallus seriatus (Hemiptera).
Trypedtid (Diptera).

Hosts unknown

AIRPLANE:
Chrysobothris guatimalensis (Coleoptera).
BARK:
Aspidiotus fabernii (Homoptera).
BOX CONTAINING 4 PEARS AND 4 APPLES:
Ceratitis capitata (Diptera).
BURLAP COVERING FOR FOREST LITTER:
Corcyra cephalonica (Lepidoptera).
DEBRIS IN BOX OF CUCUMBERS:
Dacus cucurbitae (Diptera).
EMPTY BOX CAR:
Anasa uhleri (Hemiptera).
FLOWERS:
Allocoris incognita (Hemiptera).
Anaphothrips orchidaceus (Thysanoptera).
Anthronomus mexicanus (Coleoptera).
Aufeius impressicollis (Hemiptera).
Berginus nigricolor (Coleoptera).
Bolbonota pictipennis (Homoptera).
Carsidara dugesii (Homoptera).
Chirothrips falsus (Thysanoptera).
Corizus sidae (Hemiptera).
Cydamus borealis (Hemiptera).
Cyrtopeltis tenuis (Hemiptera).
Cyrtopeltis varians (Hemiptera).
Dysdercus mimulus (Coleoptera).
Empoasca abrupta (Homoptera).
Euschistus obscurus (Hemiptera).
Exitianus obscurinervis (Homoptera).
Frankliniella cephalica (Thysanoptera).
Frankliniella fortissima (Thysanoptera).
Frankliniella williamsi (Thysanoptera).
Franklinothrips vespiformis (Thysanoptera).
Haplothrips gowdeyi (Thysanoptera).
Homoeosoma electellum (Lepidoptera).
Hypsoprora nogalata (Homoptera).
Leucopoecila albofasciata (Hemiptera).
Nicobium hirtum (Coleoptera).
Phlepsius utahnus (Homoptera).
Taeniothrips simplex (Thysanoptera).
Tortricid (Lepidoptera).
Trypetid (Diptera).
GALLS ON FLOWER STEM:
Tineid (Lepidoptera).
IN BAG CONTAINING PAPAYA:
Toxotrypana curvicauda (Diptera).
IN SACKS OF MANGOES:
Anastrepha mombinpraeoptans (Diptera).
IN SOIL AROUND ROOTS OF CYPRIPEDIUM PLANT:
Iridomyrmex iniquus (Hymenoptera).
LEAF:
Brachystylus tamaulipanus (Coleoptera).
Chrysomphalus personatus (Homoptera).
Cligenes delineata (Hemiptera).
Eustictus minimus (Hemiptera).
Nysius monticola (Hemiptera).
Oiarus concinnulus (Homoptera).
Tineid (Lepidoptera).
MIXED FRUIT:
Myelois sp. (Lepidoptera).
ON CASES OF BITTER ORANGES:
Ceratitis capitata (Diptera).
ON DECK OF SHIP ON WHICH ORANGES HAD BEEN STORED:
Ceratitis capitata (Diptera).
ON WALL IN HOLD OF SHIP:
Ceratitis capitata (Diptera).
PLANT:
Cerapachys augustae (Hymenoptera).
Chrysolina varians centaura (Coleoptera).
ROOT:
Andricus ruginosus (Hymenoptera).
RHIZOME:
Trypetid (Diptera).
RYE STRAW JACKET WITH VETCH:
Bruchus loti (Coleoptera).
SEED:
Bruchus tristiculus (Coleoptera).
Euspermophagus cardui (Coleoptera).
Trypetid (Diptera).
STRAW JACKET:
Hofmannophila pseudospretella (Lepidoptera).
WEED:
Cylindrocopturus armatus (Coleoptera).
WOOD:
Heterobostrychus aequalis (Coleoptera).
Lyctus cinnus frazini (Coleoptera).
Micrapate scabrata (Coleoptera).
Nicobium castaneum (Coleoptera).
Oligomerus brunneus (Coleoptera).

Country of origin and insects

AMERICAN SAMOA:
Tylococcus giffardi Ehrh.
AMERICAN VIRGIN ISLANDS:
Anastrepha mombinpraeoptans Sein.
Chrysomphalus personatus (Comst.).
Maruca testulalis (Geyer).
Targionia hartii (Ckll.).
ANGOLA:
Cylas femoralis Faust.
Cylas puncticollis Boh.
Stephanoderes hampei Ferr.
ANTIGUA:
Palaeopus costicollis Marsh.
Targionia hartii (Ckll.).
Targionia sacchari (Ckll.).
ARGENTINA:
Agromyza sp.
Anastrepha sp., prob. *fraterculus* (Wied.).
Anastrepha sp.
Pantomorus zanthographus (Germ.).
Parlatoria oleae (Colvee).
Psychid.
AUSTRALIA:
Brontes australis Erickson.
Lepidosaphes tuberculata Mal.
Leucaspis cockerelli (deCharm).
Platypus australis Chapuis.
Taeniothrips simplex (Morison).
Xyleborus kraatzi Eichh.
AZORES:
Curculio sp.
Iridomyrmex humilis Mayr.
Laspeyresia splendana (Hbn.).
Targionia bromeliae ("Newst." Leon.).
BAHAMAS:
Aspidiotus destructor Sign.
Aspidiotus herculeanus D. & H.
Diatraea crambidoides (Grote).
Frankliniella insularis (Frank.).
Haplothrips gowdeyi Hood.
Lepidosaphes alba (Ckll.).
Lepidosaphes lasianthi (Green).
BALUCHISTAN:
Callosobruchus analis (F.).
BARBADOS:
Hoplandrothrips zanthopoides Bagn.
Targionia hartii (Ckll.).
BELGIUM:
Amphorophora azaleae Mason.
Barathra brassicae (L.).
Brachyrhinus porcatus (Hbst.).
Brachyrhinus sp.
Ceutorhynchus sp.
Chrysolina varians centaura (Hbst.).
Frankliniella tenuicornis (Uzel).
Gracilia minuta (F.).
Haplothrips subtilissimus (Haliday).
Iridomyrmex iniquus Mayr.
Lepidosaphes tuberculata Malen.
Napomyza lateralis Fallen.
Ophiomyia pinguis (Fall.).
BERMUDA:
Crocidosema plebeiana Zell.
Frankliniella insularis Frank.
Frankliniella melanommatus Williams.
Haplothrips gowdeyi Frank.
Taeniothrips simplex (Morison).
Tineid.

Country of origin and insects—Continued

BRAZIL:
Agromyza sp.
Aspidiotus destructor Sign.
Asterolecanium aureum (Bdv.).
Asterolecanium urichi Ckll.
Castnia sp.
Ceratitis capitata (Wied.).
Chrysomphalus personatus (Comst.).
Coccotrypes bassiaevorus Hopk.
Coccus viridis (Green).
Conotrachelus sp.
Eumecosomyia nubila (Wied.).
Euscepes postfasciatus Fairm.
Furcaspis biformis (Ckll.).
Gymnaspis aechmeae Newst.
Haplothrips gowdeyi Frankl.
Maruca testulalis (Gey.).
Mordellistena sp., prob. *cattleyana* Champ.
Mordellistena sp., prob. *chapini* Ray.
Mordellistena sp.
Mormidea v-luteum (Licht.).
Parlatoria cinerea Hadden.
Pectinophora gossypiella (Saund.).
Phaedon confinis (Klug).
Pseudaonidia trilobitiformis (Green).
Stephanoderes hampei Ferr.
Tetyra pinguis (Germ.).
Zabrotes subfasciatus (Boh.).
BRITISH COLUMBIA:
Allantus cinctus (L.).
Olethreutid.
BRITISH EAST AFRICA:
Stephanoderes hampei Ferr.
BRITISH HONDURAS:
Parlatoria crotonis (Douglas).
BRITISH WEST INDIES:
Haplothrips gowdeyi Frankl.
CANADA:
Anoplodera crassipes Lec.
Brachyrhinus sp.
Forficula auricularia (L.).
Hadrobregmus destructor Fisher.
Pineus coloradensis (Gill.).
Pitnus japonicus Reitt.
Rhagoletis pomonella (Walsh).
Spilographa sp., possibly *setosa* Doane.
Stephanoderes hampei Ferr.
Taeniothrips atratus (Hal.).
Tortricid.
CANAL ZONE:
Agromyza sp.
Conchaspis angraeci Ckll.
Conotrachelus sp.
Furcaspis biformis (Ckll.).
Haplothrips gowdeyi Frankl.
Parallelodiplosis cattleyae Felt.
Taeniothrips simplex (Morison).
CHILE:
Megalometis chiliensis Boh.
Nemapogon granella (L.).
Olethreutid.
Platynota sp.
Pseudococcus gahani Green.
Rhipibruchus picturatus (Fahr.).
Taeniothrips simplex (Morison).
Tineid.
Tortricid.
CHINA:
Callosobruchus chinensis (L.).
Cylas formicarius (F.).
Endrosis lacteella (Schiff.).
Lepidosaphes chinensis Chamberlin.
Myzus hemerocallis Taka.
Parlatoria ziziphus (Lucas).
COLOMBIA:
Anaphothrips orchidaceus Bagnall.
Anastrepha sp., prob. *serpentina* (Wied.).
Coccus viridis (Green).
Conotrachelus sp.
Eurytoma orchidearum (Westw.).
Frankliniella insularis Frankl.
Fulvius bisbistillatus (Stal).
Furcaspis biformis (Ckll.).
Haplothrips gowdeyi Frankl.
Herculia psammiozantha Dyar.
Iridomyrmex iniquus Mayr.

COLOMBIA—Continued.
Iridomyrmex iniquus nigella Emery.
Lecaniodiaspis dendrobii (Dougl.).
Leucoptera coffeella (Guer.).
Mordellistena cattleyana Champ.
Mordellistena chapini Ray.
Mordellistena sp.
Ochlerus notatulus Bredd.
Tenthecoris bicolor Scott.
Tineid.
Zophobas morio (F.).
COOK ISLANDS:
Aspidiotus destructor Sign.
COSTA RICA:
Anastrepha sp.
Asterolecanium aureum (Bdv.).
Conchaspis angraeci Ckll.
Mordellistena sp.
Pulvinaria floccifera (Westw.).
CUBA:
Agromyza sp.
Aleurocanthus woglumi Ashby.
Anastrepha mombinpraeoptans Sein.
Anastrepha suspensa (Lw.).
Anastrepha sp.
Ascia monuste (L.).
Aspidiotus destructor Sign.
Aspidiotus fabernii Houser.
Aspidiotus spinosus Comst.
Ataenius terminalis (Chevr.).
Autographa sp.
Chalcodermus sp.
Clerada apicicornis Sign.
Coccus viridis (Green).
Crocidosema plebeiana Zell.
Cylas formicarius (F.).
Cymoninus notabilis (Dist.).
Cyrtopeltis tenuis Reut.
Diaphania sp.
Faustinus cubae (Boh.).
Frankliniella cubensis Hood.
Frankliniella insularis Frankl.
Franklinothrips vespiformis Crawf.
Furcaspis biformis (Ckll.).
Gnorimoschema gudmannella (Wlsm.).
Gynaikothrips uzeli (Zimm.).
Haplothrips gowdeyi Frankl.
Hellula phidilealis (Wlk.).
Hercothrips phaseoli Hood.
Hortensia similis (Walk.).
Keiferia lycopersicella (Busck).
Leucopoecila albofasciata Reut.
Lineodes integra (Zell.).
Liriomyza flaveola Fall.
Metamasius sericeus Oliv.
Myelois sp.
Oedancala dorsilinea A. & S.
Pachnaeus litus Germ.
Pachyzancla zerirsalis (Wlk.).
Palaeozus costicollis Marsh.
Parlatoria crotonis Douglas.
Photinus nefarius E. O.
Phyllophaga analis (Burm.).
Phyllotreta vittata discedens Weise.
Phytomyza sp.
Pinnaspis minor strachani (Cooley).
Platynota rostrana (Wlk.).
Platynota sp.
Pseudococcus boninsis Kuw.
Pseudoparlatoria ostreata (Ckll.).
Pycnoderes quadrimaculatus Guer.
Pyrozus saphirinus Gyll.
Pyroderces sp.
Ribua innoxia Hein.
Systena basalis Jacq.
Taeniothrips simplex (Morison).
Targionia bromeliae (Leon.).
Targionia hartii (Ckll.).
Targionia sacchari (Ckll.).
Tineid.
Tortricid.
Vinsonia stellifera (Westw.).
Xyleborus confusus Eichh.
Zabrotes subfasciatus Boh.
CYPRUS:
Bruchus lentis Froh.

Country of origin and insects—Continued

DENMARK:
Anacaena globulus Payk.
Anthonomus rectirostris L.
Apion flavipes Payk.
Cercyon melanocephalus L.
Ceutorhynchus atomus Boh.
Ceutorhynchus contractus (Marsh.).
Chrysolina brunsvicensis Grav.
Corizus parumpunctatus (Schill.).
Cryptopleurum atomarium F.
Drymus sylvaticus (F.).
Eumerus sp.
Eurydema oleraceum (L.).
Haplothrips aculeatus F.
Hypera arator L.
Hypera nigrirostris F.
Phyllotreta undulata Kutsch.
Sciaphilus muricatus F.
Sphaeridium bipustulatum F.
Strophosoma melanogrammus Forst.
Strophosoma rufipes Steph.
Thyreocoris scarabaeoides (L.).
Trachyphloeus aristatus (Gyll.).
Trapezonotus arenarius (L.).
Troilus luridus (F.).
DOMINICA:
Aleurocanthus woglumi Ashby.
Aonidiella comperei McKenzie.
DOMINICAN REPUBLIC:
Anastrepha monbinpraeoptans Sein.
Asterolecanium aureum (Bdv.).
Coccus viridis (Green).
Conchaspis angraeci Ckll.
Cylas formicarius (F.).
Euscepes postfasciatus Fairm.
Maruca testulalis (Gey.)
Tineid.
Vinsonia stellifera (Westw.).
DUTCH GUIANA:
Stenoma anonella Sepp.
DUTCH WEST INDIES:
Dinoderus bifoveolatus Woll.
Xyleborus fuscatus Eichh.
ECUADOR:
Anaphothrips secticornis (Trybom).
Conchaspis angraeci Ckll.
Stenoma sp.
Xyleborus confusus Eichh.
EGYPT:
Callosobruchus chinensis (L.).
Pectinophora gossypiella (Saund.).
ENGLAND:
Allantus cinctus (L.).
Anaphothrips orchidaceous Bagn.
Antliarhinus zamiae Thunb.
Aphis rumicis L.
Apion pomonae (F.)
Brachyrhinus sp.
Bruchidius villosus (F.).
Bruchus affinis Froh.
Bruchus luteicornis Ill.
Ceutorhynchus pleurostigma (Marsh).
Ceutorhynchus sp.
Dialeurodes chittendeni Laing.
Eriosoma crataegi (Oestl.).
Eupteryx melissae Curt.
Forficula auricularia L.
Gracilia minuta (F.).
Hofmannophila pseudostretella (Staint.).
Hylesinus fraxini Panz.
Lecanium coryli (L.).
Leperisinus fraxini Panz.
Liothrips vaneeckei Pr.
Myzus ornatus Laing.
Pseudococcus gahani Green.
Psila rosae (F.).
Pulvinaria floccifera (Westw.).
Taeniothrips atratus Hal.
Tortricid.
Trioza alacris Flor.
ESTONIA:
Ceutorhynchus sp.
FIJI:
Leucaspis cockerelli (deCharm.).
FINLAND:
Ips suturalis Gyll.
Pityogenes chalcographus (L.).
Psila rosae (F.).

FRANCE:
Agromyza sp.
Apion pomonae (F.).
Autographa sp.
Brachyrhinus rugosostriatus (Goeze).
Bruchidius villosus (F.).
Bruchus affinis Froh.
Bruchus loti Payk.
Bruchus luteicornis Ill.
Bruchus rufipes Hbst.
Callosobruchus ademptus (Sharp).
Ceutorhynchus pleurostigma (Marsh.).
Ceutorhynchus sp.
Coccotrypes dactyliperda (F.)
Halimococcus lampas (Ckll.).
Hypera postica Gyll.
Iridomyrmex melleus Whlr.
Lilioceris lilii (Scop.).
Liothrips vaneeckei Pr.
Olethreutid.
Phelomerus germaini Pic.
Psila rosae (F.).
Psylliodes chrysocephala (L.).
Pulvinaria floccifera (Westw.).
Taphropeltus contractus (H. S.).
Thrips angusticeps Uz.
GERMANY:
Bruchidius villosus (F.).
Bruchus affinis Froh.
Bruchus brachialis Fahr.
Ceratitis capitata (Wied.).
Ceutorhynchus sp.
Ernobius abietis (F.).
Laspeyresia strobilella (L.).
Ptychopoda sp.
Taeniothrips ericae Hal.
GREECE:
Acanthoscelides spinipes (Er.).
Anuraphis cynariella (Theob.).
Bruchus luteicornis Ill.
Lepidosaphes pistaciae Arch.
Myelois ceratoniae Zell.
Parlatoria oleae (Colvee).
Thrips angusticeps Uz.
GRENADA:
Aulacaspis mangiferae Newst.
Chrysomphalus dictyospermi (Morg.) var.
GUADELOUPE:
Pseudaonidia tesserata (de Charm.).
GUATEMALA:
Anaphothrips orchidaceus Bagnall.
Anastrepha sp.
Aonidiella comperei McKenzie.
Aspidiotus destructor Sign.
Berginus nigricolor Champ.
Cerotoma atrofasciata Jac.
Conotrachelus sp.
Cryphula apicatus (Dist.).
Cydamus borealis Dist.
Cyrtopeltis tenuis Reut.
Eurycipitia vestitus (Dist.).
Euschistus spurculus Stal.
Laemophloeus iteratus Sharp.
Ligyrocoris abdominalis (Guer.).
Metamasius sericeus carbonarius Chev.
Mordellistena sp., near *chapini* Ray.
Mordellistena sp.
Neoclytus cacicus Chevr.
Platypus rugulosus Chapuis.
Pseudischnaspis atienus (Newst.).
Taeniothrips simplex (Morison).
Targionia sacchari (Ckll.).
Tesserocerus dejeani Chapuis.
Tineid.
Vatissius diversus Dist.
Xyleborus affinis Eichh.
Xyleborus confusus Eichh.
Xyleborus fuscatus Eichh.
Xyleborus propinquus Eichh.
HAITI:
Anastrepha monbinpraeoptans Sein.
Anastrepha sp.
Aspidiotus destructor Sign.
Cylas formicarius (F.).
Euscepes postfasciatus Fairm.
Maruca testulalis (Geyer).

Country of origin and insects—Continued

HAWAII:
Callosobruchus chinensis (L.).
Ceratitis capitata (Wied.).
Ceroplastes rubens Mask.
Coccus viridis (Green).
Cosmolyce boeticus (L.).
Dacus cucurbitae (Coq.).
Diocalandra taitensis Guern.
Furcaspis biformis (Ckll.).
Lepidosaphes auriculata (Green).
Maruca testulalis (Geyer).
Megacerus alternatus Bridwell.
Parlatoria ziziphus (Lucas).
Pectinophora gossypiella (Saund.).
Pseudaonidia clavigera (Ckll.).
Pseudaonidia tesserata (deCharm.).
Ripersia palmarum (Ehrh.).
Sternochetus mangiferae F.
Taeniothrips hawaiiensis (Morg.).
Trionymus sacchari (Ckll.).
HONDURAS:
Anastrepha serpentina (Wied.).
Anastrepha sp., prob. *mombinpraeoptans* Sein.
Anastrepha sp., prob. *serpentina* (Wied.).
Bolbonota pictipennis Fairm.
Brentus mexicanus Boh.
Cercyon quisquilius L.
Chrysomphalus bowreyi (Ckll.).
Eurycipitia vestitus Dist.
Hypsipyla grandella (Zell.).
Metamasius sericeus Oliv.
Platypus rugulosus Chapuis.
Taeniothrips simplex (Morison).
Tenthecoris bicolor Scott.
Termes panamaensis Snyder.
Tesserocerus dejeani Chapuis.
Tineid.
HUNGARY:
Bruchus brachialis Fahr.
Bruchus rufipes Hbst.
INDIA:
Callosobruchus analis (F.).
Corcyra cephalonica (Staint.).
Cylas formicarius F.
Dinoderus bifoveolatus Wolls.
Heterobostrychus aequalis Waterh.
Mertila malayensis Dist.
Pulvinaria floccifera (Westw.).
Sinoxylon anale Lesne.
IRELAND:
Allantus cinctus (L).
Psila rosae (F.).
Rhinocola ericae Curt.
ITALIAN SOMALILAND:
Caryedon sp.
ITALY:
Acalypta parvula (Fall.).
Acrolepia assectella (Zell.).
Agriotes sp.
Agromyza sp.
Bruchidius gilvus (Gyll.).
Bruchidius lividimanus retamae (Vogel).
Bruchidius villosus (F.).
Bruchus brachialis Fahr.
Bruchus pallidicornis (Boh.).
Callosobruchus chinensis (L.).
Ceratitis capitata (Wied.).
Ceroplastes rusci (L.).
Ceutorhynchus quadridens (Panz.).
Ceutorhynchus sp., possibly *rapae* Gyll.
Ceutorhynchus sp.
Creontiades pallidus (Ramb.).
Curculio sp.
Dacus oleae Gmel.
Diaspis visci (Schr.).
Epidiaspis piricola (del Guer.).
Euspermophagus cardui (Boh.).
Grapholitha sp.
Hypoborus ficus Er.
Hypocassida subferruginea (Schr.).
Ischnorhynchus ericae Horv.
Laspeyresia splendana (Hbn.).
Lepidosaphes ficus (Sign.).
Mecinus circulatus (Marsh.).
Megastigmus pistaciae Walk.
Myelois ceratoniae Zell.
Myelois sp.
Nicobium castaneum Oliv.
ITALY—Continued.
Oligomerus brunneus (Oliv.)
Parlatoria oleae (Colvee).
Parlatoria ziziphus (Lucas).
Pectinophora gossypiella (Saund.).
Phytomyza sp.
Plinthisus brevipennis (Latr.)
Pogonocherus hispidulus (Piller).
Polychrosis botrana (Schiff.).
Pseudaonidia paeoniae (Ckll.)
Psila rosae (F.).
Psylliodes chrysocephala (L.).
Sitona limosa Rossi.
Thrips angusticeps Uzel.
Tineid.
Trioza alacris Flor.
Tropistethus fasciatus Ferr.
JAMAICA:
Agromyza sp.
Aleurocanthus woglumi Ashby.
Anastrepha mombinpraeoptans Sein.
Bruchus luteicornis Ill.
Caryedon fuscus (Goeze).
Chrysomphalus odontoglossi (Ckll.).
Coccus viridis (Green).
Cylas formicarius F.
Cyrtopeltis tenuis Reut.
Euscepes postfasciatus Fairm.
Frankliniella insularis Frankl.
Frankliniella melanommatus Wms.
Haplothrips gowdeyi Frankl.
Kurtomathrips sp., close to *morrilli* Moulton.
Orthezia praelonga Dougl.
Palaeopus costicollis Marshall.
Taeniothrips simplex (Morison).
Tineid.
JAPAN:
Adozophyes privatana Walker.
Agromyza sp.
Aleuroplatus mammaeferus Q. & B.
Anaphothrips orchidii (Moulton).
Aspidiotus destructor Sign.
Callosobruchus ademptus (Sharp).
Callosobruchus chinensis (L.).
Ceroplastes rubens Mask.
Chilo simplex (Butl.).
Chionaspis yanonensis (Kuw.).
Coptotermes formosanus Shiraki.
Cosmolyce boeticus (L.).
Curculio sp.
Epidiaspis piricola (del Guer.).
Grapholitha sp., prob. *molesta* Busck.
Grapholitha sp.
Hellula undalis (F.).
Hercothrips errans (Williams).
Laspeyresia splendana Hbn.
Lepidosaphes cameliae Hoke.
Lepidosaphes conchiformis (Gmel.).
Lepidosaphes lasianthi (Green).
Lepidosaphes tuberculata (Malen.).
Liothrips vaneeckei Pr.
Maruca testulalis (Geyer).
Olethreutid.
Parlatoria cameliae Comst.
Parlatoria theae Ckll.
Phenacaspis fujicola Kuw.
Phytomyza sp.
Poliaspis pini Mask.
Pseudaonidia duplex (Ckll.).
Pseudaonidia paeoniae (Ckll.).
Pseudococcus citriculus Green.
Pseudococcus kraunhiae (Kuw.).
Psychid.
Ptochoryctis tsugensis Kearf.
Pyrausta nubilalis (Hbn.).
Taeniothrips zanthius Hood.
Tortricid.
Trypetid.
JAVA:
Parlatoria pseudaspidiotus Ldgr.
Parlatoria ziziphus (Lucas).
Prays endocarpa Meyr.
Pseudaonidia trilobitiformis (Green).
Pseudococcus citriculus Green.
Pseudococcus lilacinus Ckll.
Stephanoderes hampei Ferr.
LIBERIA:
Corcyra cephalonica (Staint.).

Country of origin and insects—Continued

MANCHURIA:
Agromyza sp.
Curculio sp.
Pectinophora gossypiella (Saund.).

MARTINIQUE:
Trionymus sacchari (Ckll.).

MEXICO:
Acanalonia laticosta Doer.
Acanthoscelides dominicanus (Jek.).
Acmaeodera tubulus (F.).
Aeolothrips duvali Moulton.
Agallia producta O. & B.
Agromyza sp., very close to *burgessi* Mall.
Agromyza sp.
Aleurodicus manni Baker.
Allocoris incognita McA. & M.
Allocoris interupta (Mall.)
Alpheias conspirata Hein.
Alpheias sp.
Amorbia emigratella Busck.
Amphicerus cornutus (Pallas).
Anacentrinus blanditus Csy.
Anaphothrips orchidaceus Bagn.
Anasa uhleri Stal.
Anastrepha distincta Greene.
Anastrepha fraterculus (Wied.).
Anastrepha ludens (Lw.).
Anastrepha mombinpraeoptans Sein.
Anastrepha serpentina (Wied.).
Anastrepha sp.
Andricus ruginosus Bassett.
Anthonomus funereus Champ.
Anthonomus mexicanus Boh.
Archimerus scutellaris (Stal).
Arvelius albopunctatus (Deg.).
Asterolecanium aureum (Bdv.).
Aufeius impressicollis Stal.
Autographa sp.
Baldulus elimatus (Ball).
Brachystylus tamaulipanus Champ.
Brochymena aculeata Dist.
Brochymena sulcata Van D.
Bucculatrix sp., prob. *thurberiella* Busck.
Bythoscopus miselius (Stal).
Calgupha punctifer McA. & M.
Carsidara dugesii Loew.
Cerapachys augustae Whlr.
Ceratocapsus punctulatus (Reut.).
Chaetopsis fulvifrons Macq.
Chalcodermus sp.
Chile sp.
Chirothrips falsus Pr.
Chrysobothris guatemalensis Thoms.
Chrysomphalus dictyospermi (Morg.) var.
Chrysomphalus nigropunctatus (Ckll.).
Chrysomphalus personatus (Comst.).
Cligenes delineata (Dist.).
Conotrachelus flavangulus Champ.
Conotrachelus leucophaeatus Fahr.
Conotrachelus sp., possibly *nenuphar* (Hbst.).
Conotrachelus sp., apparently *seniculus* Lec.
Conotrachelus sp.
Corizus sidae (F.).
Crocidosema plebeiana Zell.
Curculio sp.
Cylas formicarius (F.).
Cylindrocopturus armatus Champ.
Cyrtopeltis tenuis Reut.
Cyrtopeltis varians (Dist.).
Delphacodes campestris (VanD.).
Diaphania sp.
Dikraneura cockerelli Gill.
Disonycha antennata Jac.
Draeculacephala minerva Ball.
Draeculacephala portola Ball.
Drasterius cribratus Lec.
Dysdercus mimulus Hussey.
Eleodes tricostata Say.
Empoasca abrupta DeL.
Empoasca solana DeL.
Epicaerus cognatus Sharp.
Epilachna varivestis Muls.
Epinotia opposita Hein.
Epochra sp.
Eucalandra setulosa (Gyll.).
Eucnocerus anthrenoides Sharp.
Eumecosomyia nubila (Wied.).
Euryophthalmus cinctus (H. S.).

MEXICO—Continued.
Euschistus obscurus (P. B.).
Eustictus minimus Kagt.
Euxesta stigmatias Lw.
Exilianus obscurinervis (Stal).
Exptochiomera oblonga (Stal).
Forsebia perlaeta (Hy. Edw.).
Frankliniella cephalica (Crawf.).
Frankliniella fortissima Pr.
Frankliniella williamsi Hood.
Franklinothrips vespiformis (Crawf.).
Gastrothrips sp.
Geocoris sonoraensis VanD.
Geotomus parvulus Sign.
Gerstaeckeria mutillaria (Gerst.).
Gnorimoschema gudmannella (Wlsm.).
Grapholitha saltitans Westwood.
Grapholitha sp.
Haplothrips gowdeyi (Frankl.).
Heilipus sp.
Heliodines bella Chambers.
Homoeosoma electellum (Hlst.).
Hypsipyla grandella (Zell.).
Hypsoprora nogalata Ball.
Isochaetothrips sp.
Kalotermes snyderi Light.
Keiferia lycopersicella (Busck).
Laspeyresia membrosa Hein.
Lepidosaphes carinata (Ckll.).
Lepidosaphes philococcus (Ckll.).
Leptodictya plana Heid.
Leucopoecila albofasciata Reut.
Leuronota maculata (Crawf.).
Ligyrocoris nitidicollis Stal.
Ligyrocoris nitidulus (Uhl.).
Ligyrocoris setosus (Stal).
Lineodes integra (Zell.).
Lophocateres pusillus (Klug).
Lorita abornana Busck.
Lorita abornana chatka Busck.
Lygaeus lateralis Dall.
Lygaeus pulchellus F.
Lygaeus vittiscutis Stal.
Lygus elisus Van D.
Lygus sallei Stal.
Macrosteles divisus (Uhl.).
Mamurius mopsus Stal.
Marmara sp., near *opuntiella* Busck.
Marmara sp.
Matigramma rubrosuffusa Grt.
Metamasius sericeus Oliv.
Micrapate scapularis (Gorh.).
Moneilma opuntiae Fisher.
Monotoma centralis Sharp.
Moodna bisinuella Hamp.
Mordellistena chapini Ray.
Mordellistena sp.
Mormidea collaris Dall.
Mormidea cubrosa (Dall.).
Mormidea pictiventris Stal.
Myelois venipars Dyar.
Myelois sp.
Nabis alternata Parsh.
Nabis angustatus Parsh.
Naucles pusio (Lec.).
Neella generosa (Stal.).
Nesosteles incisus (Mats.).
Neurocolpus mexicanus Dist.
Neuroctanus simplex Uhl.
Nicobium hirtum Ill.
Nysius ericae (Schill.).
Nysius monticola Dist.
Ogdoecosta biannularis (Boh.).
Olethreutid.
Oliarus concinnulus Fowl.
Orthaea bilobata (Say).
Orthaea sercillei (Guer.).
Orthaea vincta (Say).
Pectinophora gossypiella (Saund.).
Peregrinus maidis (Ashm.).
Phlepsius utahnus Ball.
Phyllotreta albionica (Lec.).
Physonota attenuata Boh.
Phytomyza sp.
Pinnaspis minor Mask. var.
Placosternus difficilis (Chevr.).
Platynota stultana (Wlsm.).
Platynota sp.

Country of origin and insects—Continued

MEXICO—Continued.
Platypus rugulosus Chapuis.
Pleurophorus batesi Arr.
Prodenia latifascia (Wlk.).
Protopulvinaria pyriformis (Ckll.).
Psallus seriatus (Reut.).
Pseudococcus boninsis (Kuw.).
Psila rosae Fab.
Psychid.
Ptychopoda bonifata (Hlst.).
Ptychopoda sp.
Pulvinaria floccifera (Westw.).
Pycnoderes quadrimaculatus Guer.
Pyroderces sp.
Rhagoletis pomonella (Walsh).
Rhagoletis sp.
Rhinacloa forticornis Reut.
Scaphytopius irroratus (VanD.).
Scirtothrips prosopis Hood.
Setomorpha insectella (F.).
Simulium virgatum Coq.
Sisamnes contractus Dist.
Sizenotus areolatus Kngt.
Stenoma sp.
Stephanoderes guatemalensis Hopk.
Strymon critola Hew.
Sylepta silicalis (Gn.).
Taeniothrips simplex (Morison).
Teleonemia nigrina Champ.
Teleonemia scrupulosa Champ.
Temnochila metallica Perch.
Tetraleurodes acaciae (Quaint.).
Tineid.
Tortricid.
Traxus fulvus Metc.
Trialeurodes varia Q. & B.
Trionymus sacchari (Ckll.).
Trogoxylon prostomoides Gorh.
Trypetid.
Vanduzea laeta segmentata (Fowl.).
Vilga mexicana Dist.
Xyleborus affinis Eichh.
Xyleborus confusus Eichh.
Xyleborus fuscatus Eichh.
Xyleborus torquatus Eichh.
Zabrotes subfasciatus (Boh.).
MOROCCO:
Ceutorhynchus sp.
Exosoma lusitanica L.
Psylliodes chrysocephala (L.).
NETHERLANDS:
Agromyza sp.
Allantus cinctus (L.).
Amphorophora azaleae Mason.
Apion pomonae (F.).
Barathra brassicae (L.).
Brachyrhinus sp.
Bruchus affinis Froh.
Bruchus luteicornis Ill.
Callosobruchus ademptus Sharp.
Ceutorhynchus pleurostigma (Marsh.).
Ceutorhynchus sp.
Endrosis lacteella (Schiff.).
Eumerus sp.
Forficula auricularia L.
Frankliniella tenuicornis (Uzel).
Gracilia minuta (F.).
Hofmannophila pseudospretella (Staint.).
Merodon sp.
Myelophilus minor Hartig.
Phyllotreta undulata (Kutsch.).
Phytomyza sp.
Psila rosae (F.).
Sitona lineata L.
Tineid.
Stephanoderes hampei Ferr.
Trionymus peregrinus (Green).
NEWFOUNDLAND:
Olethreutid.
Tortricid.
NEW ZEALAND:
Eriosoma crataegi (Oestl.).
Taeniothrips simplex (Morison).
NICARAGUA:
Acanthoscelides dominicanus Jek.
Laemophloeus iteratus Sharp.
Platypus rugulosus Chapuis.

NICARAGUA—Continued.
Xyleborus fuscatus Eichh.
Xyleborus propinquus Eichh.
NORWAY:
Pityogenes chalcographus (L.).
PALESTINE:
Ceratitis sp.
Parlatoria cinerea Hadden.
PANAMA:
Amblycerus nigromarginatus (Mots.).
Anastrepha sp.
Aspidiotus destructor Sign.
Cephaloleia pretiosa Baly.
Dactylosternum centrale Sharp.
Diaphania sp.
Eumecosomyia nubila Wied.
Frankliniella cephalica (Crawf.).
Fulvius quadristellatus (Stal).
Furcaspis biformis (Ckll.).
Leucaspis cockerelli deCharm.
Platypus rugulosus Chapuis.
Taeniothrips simplex (Morison).
Tapinoma melanocephalum (F.).
Tortricid.
PERU:
Dinoderus bifoveolatus Woll.
Taeniothrips simplex (Morison).
PHILIPPINES:
Anaphothrips orchidii (Moulton).
Aspidiotus coryphae Ckll.
Bitoma parallela (Sharp).
Corcyra cephalonica (Staint.).
Curculio sp.
Diocalandra taitensis Guer.
Furcaspis biformis (Ckll.).
Odonaspis penicillata Green.
Orchidophilus aterrimus (Waterh.).
Orchidophilus sp.
Parlatoria pseudaspidiotus Lindgr.
Parlatoria zizyphus (Lucas).
Pinnaspis townsendi Ckll.
Pseudaonidia curculiginis (Green).
Pseudococcus lilacinus Ckll.
POLAND:
Baris lepidii Germ.
PORTUGAL:
Bruchus luteicornis Ill.
Bruchus tristiculus Fahr.
Ceratitis capitata (Wied.).
Ceutorhynchus sp.
Curculio sp.
Dacus oleae Gmel.
Forficula auricularia L.
Iridomyrmex humilis Mayr.
Laspeyresia splendana (Hbn.).
Leucaspis loewi Colvee.
PRINCE EDWARD ISLAND:
Tetraleurodes ursorum (Ckll.).
PUERTO RICO:
Anastrepha mombinpraeoptans Sein.
Anastrepha suspensa (Lw.).
Coccus viridis (Green).
Corcyra cephalonica (Staint.).
Cylas formicarius (F.).
Maruca testulalis (Geyer).
Metamasius hemipterus L.
Pectinophora gossypiella (Saund.).
Pinnaspis minor strachani Cooley.
Reuteroscopus uvidus (Dist.).
Taeniothrips simplex (Morison).
Tineid.
Toxotrypana curvicauda (Gerst.).
RUMANIA:
Agromyza sp.
Bruchus affinis Froh.
Bruchus luteicornis Ill.
Bruchus rufipes Hbst.
ST. HELENA:
Liothrips vaneeckei Pr.
ST. KITTS:
Setomorpha insectella (F.).
ST. VINCENT:
Palaeopus costicollis Marsh.
Targionia hartii (Ckll.).
SALVADOR:
Platypus rugulosus Chapuis.
Xyleborus propinquus Eichh.

Country of origin and insects—Continued

SCOTLAND:
Bruchus luteicornis Ill.
Ceutorhynchus pleurostigma Marsh.
Ceutorhynchus sp.
Forficula auricularia L.
Gelechia ericetella (Hbn.).
Hofmannophila pseudospretella (Staint.).
Micrelus ericae Gyll.
Myzus ornatus Laing.
Olethreutid.
Orthotylus virens (Fall.).
Psila rosae (F.).
Rhinocola ericae Curt.
Taeniothrips atratus (Hal.).
Taeniothrips ericae (Hal.).
Tortricid.
Ulopa reticulata (F.).
SOUTH AMERICA:
Eurytoma orchidearum (Westw.).
Vinsonia stellifera (Westw.).
SOUTHWEST AFRICA:
Chionaspis humilis Brain.
SPAIN:
Bruchus luteicornis Ill.
Ceratitis capitata (Wied.).
Ceutorhynchus sp.
Forficula auricularia L.
Parlatoria ziziphus (Lucas).
STRAITS SETTLEMENTS:
Aspidiotus destructor Sign.
Parlatoria pseudaspidiotus Ldgr.
Pseudaonidia tesserata (deCharm.).
SWEDEN:
Acrolepia assectella (Zell.).
Ceutorhynchus pleurostigma (Marsh.).
Ceutorhynchus sp.
Pityogenes chalcographus (L.).
Trypetid.
SWITZERLAND:
Acalypta musci (Schr.).
Bruchidius villosus (F.).
Lecanium coryli (L.).
Tortricid.
Trypetid.
SYRIA:
Bruchus erti Frol.
TAIWAN:
Parlatoria ziziphus (Lucas).
TANGANYIKA:
Coccotrypes pygmaeus Eichh.
Stephanoderes hampei Ferr.
THAILAND:
Olethreutid.
Orchidophilus sp.
TONGA ISLAND:
Setomorpha insectella (F.).
TRINIDAD:
Acanthoscelides armitagei (Pic.).
Anastrepha serpentina (Wied.).
Anastrepha sp.
Aspidiotus spinosus Comst.
Asterolecanium aureum Bdv.
Aulacaspis mangiferae Newst.
Coccus viridis (Green).
Dercynus micronyx Champ.

TRINIDAD—Continued.
Euscepes postfasciatus Fairm.
Furcaspis biformis (Ckll.).
Leptostylus testaceus Frol.
Parlatoria cineria Hadden.
Parlatoria pseudaspidiotus Ldgr.
Phelomerus aberrans (Sharp).
Pinnaspis minor strachani Cooley.
Pulvinaria floccifera (Westw.).
Puto barberi (Ckll.).
Targionia hartii (Ckll.).
Tenthecoris bicolor Scott.
Tineid.
Vinsonia stellifera (Westw.).
TURKEY:
Andricus glandium Gir.
Callirhytis glandulosa Weld.
Merodon sp.
Tineid.
UNION OF SOUTH AFRICA:
Antliarhinus zamiae Thunb.
Asterolecanium stentae Brain.
Caryedon sp.
Ceratitis sp.
Dacus sp.
Diaspis zamiae (Morg.).
Frankliniella schultzei Tryb.
Haplothrips nigricornis Bagn.
Olethreutid.
Phlyctinus callosus Boh.
Taeniothrips fumosa Tryb.
Taeniothrips simplex (Morison).
Trypetid.
VENEZUELA:
Asterolecanium aureum (Bdv.).
Aulacaspis mangiferae Newst.
Chrysomphalus umboniferus Newst.
Coccus viridis (Green).
Conchaspis angraeci Ckll.
Diaphania sp.
Epinotia opposita Hein.
Eurytoma orchidearum (Westw.).
Exptochiomera tumens (Stal).
Fulvius sp.
Furcaspis biformis (Ckll.).
Heraeus cincticornis Stal.
Iridomyrmex iniquus Mayr.
Mordellistena cattleyana Champ.
Phytomyza sp.
Psychid.
Sinoxylon conigerum Gerst.
Tenthecoris bicolor Scott.
Tineid.
Tortricid.
Vinsonia stellifera (Westw.).
Zophobas morio (F.).
WALES:
Ceutorhynchus sp.
WEST AFRICA:
Cylas femoralis Faust.
Cylas puncticollis Boh.
YUGOSLAVIA:
Brachylacon murinus L.
ZANZIBAR:
Pseudaonidia trilobitiformis (Green).

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
DISEASES							
Acrospeira mirabilis:							
Castanea mollissima (hairy chestnut).	Japan			1			Wash.
Alternaria citri:							
Citrus nobilis (king orange)	do					1	Wash.
Citrus sinensis (orange)	China			1			Wash.
Alternaria dianthi:							
Dianthus sp	England		1				D. C.
Alternaria fasciculata (?):							
Lycopersicum esculentum (tomato).	Cuba	1					Fla.*
Alternaria mali:							
Malus sylvestris (apple)	Mexico			1			Tex.
Anguina tritici:							
Triticum aestivum (wheat)	Afghanistan, Iran	19		1			D. C.
Aphelenchoides fragariae:							
Aconitum nepellus bicolor	Netherlands	1					D. C.
Convallaria majalis (lily-of-the-valley).	Germany, Netherlands	5					N. Y.
Aphelenchoides hunti:							
Alstroemeria sp	England		1				D. C.
Ipomoea batatas (sweetpotato)	Sierra Leone	1					Pa.
Aphelenchoides parietinus:							
Aglaonema sp	China	1					N. Y.
Allium sativum (garlic)	Rumania	2					N. Y.
Cattleya gigas (orchid)	Colombia	1					N. Y.
Convallaria majalis (lily-of-the-valley).	Denmark, Germany	2					N. Y.
Cymbopogon citratus (lemongrass).	Java		1				D. C.
Cymbopogon nardus (citronellagrass).	do		1				D. C.
Fritillaria imperialis (crown imperial).	Netherlands	1					N. Y.
Galanthus sp. (snowdrop)	do	1					Mass.
Gladiolus sp	do	1					D. C.
Gloxinia	do	1					N. Y.
Lilium tenuifolium (coral lily)	do	2					N. Y.
Lilium sp. (lily)	France	1					N. Y.
Narcissus sp	Netherlands	3					N. Y., Pa.
Solanum tuberosum (potato)	Norway					1	N. Y.
Xanthosoma sp. (malanga)	Cuba	2					N. Y.
Zingiber officinale (ginger)	China, Cuba	4					N. Y.
Aphelenchoides subtenuis:							
Allium neapolitanum	Netherlands	1					D. C.
Narcissus sp	do	1					N. Y.
Aphelenchus avenae:							
Allium sativum (garlic)	Rumania	2					N. Y.
Chionodoxa sp	Netherlands	1					N. Y.
Crocus sp	do	1					N. Y.
Fritillaria imperialis (crown imperial).	do	1					N. Y.
Solanum tuberosum (potato)	Norway					1	N. Y.
Apiosporella rhodophila:							
Rosa chinensis manetti	Ireland	1					N. Y.
Aplanobacter michiganense:							
Lycopersicum esculentum (tomato).	Mexico	7		42			Tex.
Aschersonia cubensis:							
Zamia latifoliata	Puerto Rico				1		N. Y.
Aspergillus alliaccus:							
Muscari comosum (cipollino)	Morocco	2					N. Y.
Aspergillus flavus:							
Vigna sinensis (cowpea)	Cuba			1			Fla.*
Aspergillus glaucus:							
Persea americana (avocado)	Mexico			1			Tex.
Bacterium campestre:							
Brassica oleracea capitata (cabbage).	Japan					1	Pa.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
DISEASES—continued							
Bacterium citri:							
Citrus aurantifolia (lime)	India, Philippines					2	Mass., Pa.
Citrus grandis (pomelo)	China, Straits Settlements, Thailand.			1		3	Md., N. Y., Pa., Wash.
Citrus grandis (shaddock)	Java					1	Mass.
Citrus limonia (lemon)	Java, Spain (?)					4	Mass., N. Y., Pa.
Citrus sinensis (orange)	Japan					6	Calif.,* Md., Pa., Wash.
Bacterium hyacinthi:							
Hyacinthus sp.	Netherlands	1					Mass.
Bacterium phaseoli:							
Phaseolus sp. (string bean)	Mexico			6			Tex.
Bacterium pisi:							
Pisum sativum (pea)	Japan, Mexico			5		1	Pa., Tex.
Bacterium punctilans:							
Lycopersicum esculentum (tomato).	Mexico	11					Ariz.
Botrytis allii:							
Allium cepa (onion)	Mexico, Portugal	1		12		2	Ariz., N. Y., Tex.
Botrytis galanthina:							
Galanthus elwesii (giant snowdrop).	Netherlands	1					N. Y.
Galanthus nivalis (snowdrop)	Netherlands, Turkey	90	1				Mass., Mich., N. Y., Pa.
Botrytis narcissicola:							
Narcissus sp.	Netherlands	41					Mass., N. Y.
Botrytis tulipae:							
Tulipa sp. (tulip)	do	4					Mich., Pa., Wash.
Cephalobus persegnis:							
Xanthosoma sp.	Cuba	1					N. Y.
Cephalosporium lecanii:							
Coccus acuminatus on gardenia leaf.	do			1			Fla.*
Coccus viridis on coffee	Colombia, Cuba, Puerto Rico.			2	1		Fla.*
Coccus viridis on *Gardenia florida*	Cuba				1		Fla.*
Coccus viridis on *Ixora* sp.	Trinidad			1			Fla.*
Ceratostomella fimbriata:							
Ipomoea batatas (sweetpotato)	Japan, Mexico, St. Vincent			2		1	Mass., Tex., Wash.
Cercospora althaeina:							
Gossypium sp. (cotton)	Mexico			2			Tex.
Hibiscus syriacus (?)	do			1			Tex.
Cercospora angreci:							
Odontoglossum sp. (orchid)	England	4					D. C.
Cercospora atricincta:							
Zinnia sp.	Mexico			1			Tex.
Cercospora handeli:							
Azalea indica (azalea)	Belgium	6					D. C.
Cercospora ipomoeae:							
Ipomoea pes-caprae	Mexico			1			Tex.
Cercospora musae:							
Musa sp. (banana)	Colombia, Cuba, Guatemala, Honduras, Mexico.	15					Mass., N. Y., Tex., Wash.
Cercospora rhododendri:							
Rhododendron sp.	Canada	1					Wash.
Cercospora zinniae:							
Zinnia sp.	Mexico			1			Tex.
Cercosporella euonymi:							
Euonymus sp.	Japan				1		Wash.
Chrysomyxa rhododendri:							
Rhododendron sp.	Switzerland			2			D. C.
Cladosporium cucumerinum:							
Cucumis sativus (cucumber)	Cuba	1					Fla.*
Claviceps paspali:							
Paspalum sp.	Colombia	1					N. Y.
Coleosporium campanulae:							
Campanula sp.	England			1			D. C.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
DISEASES—continued							
Coleosporium solidaginis:							
Aster sp	Canada			1			N. Y.
Colletotrichum cajani:							
Cajanus indicus (pigeon pea)	Puerto Rico			3			N. Y.
Colletotrichum destructivum:							
Medicago sativa (alfalfa)	Mexico			1			Tex.
Colletotrichum falcatum:							
Saccharum officinarum (sugarcane)	Cuba, Mexico			3	1		Fla.,* Tex.
Colletotrichum graminicolum:							
Grass	Arabia	1					N. Y.
Colletotrichum hedericola (?):							
Hedera sp. (ivy)	Mexico			1			Tex.
Colletotrichum lagenarium:							
Cucurbita pepo (pumpkin)	Brazil					1	Pa.
Cucurbita pepo (vegetable marrow)	Japan					1	Wash.
Sechium edule (chayote)	Cuba					1	Tex.
Colletotrichum macrosporum:							
Brassia caudata (orchid)	Dominican Republic			1			D. C.
Cymbidium finlaysonianum (orchid)	Philippines			1			Calif.*
Colletotrichum orchidearum:							
Cattleya gigas (orchid)	Colombia	2					Calif.,* N. Y.
Cattleya trianae (orchid)	do	1					N. Y.
Odontoglossum sp. (orchid)	England	1					Wash.
Oncidium cavendishianum (orchid)	Guatemala	1					Calif.*
Oncidium kramerianum (orchid)	Colombia	1					Calif.*
Oncidium sp. (orchid)	do	1					Calif.*
Orchid	do	1					N. Y.
Stanhopea sp. (orchid)	Mexico	1					Calif.*
Colletotrichum phomoides:							
Lycopersicum esculentum (tomato)	Cuba, Mexico	1		9			La., Tex
Physalis sp. (husk tomato)	Mexico			1			Tex.
Colletotrichum pisi:							
Pisum sativum (pea)	do			5			Tex.
Colletotrichum stanhopeae:							
Lycaste sp. (orchid)	do	1					D. C.
Stanhopea sp. (orchid)	do		1				D. C.
Colletotrichum truncatum:							
Phaseolus lunatus macrocarpus (lima bean)	Cuba	1					N. Y.
Coryneum beijerinckii:							
Amygdalus persica (peach)	Italy					1	Mass.
Coryneum foliicolum:							
Pyrus communis (pear)	France			1			N. Y.
Coryneum microstictum:							
Kerria japonica (kerria)	Japan	1					Wash.
Rosa chinensis mavetti	Ireland	1					N. Y.
Cryptospora longispora:							
Araucaria excelsa (Norfolk-island-pine)	New Zealand		1				D. C.
Cumminsiella sanguinea:							
Mahonia sp	Italy	1					D. C.
Cylindrosporium castanicolum:							
Castanea sativa	do			1			N. Y.
Cylindrosporium chrysanthemi:							
Chrysanthemum sp	Mexico			21			Tex.
Cytospora ambiens:							
Castanea sp. (chestnut)	England, France, Italy	3					N. Y.
Fagus sylvatica (European beech)	England	1					N. Y.
Darluca filum:							
Holcus sorghum (sorghum)	Mexico			1			Tex.
Secale cereale (rye)	Portugal	1					Pa.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
DISEASES—continued							
Diplodia tubericola:							
Colocasia esculenta (taro)	China	1					Wash.
Dioscorea sp. (yam)	West Africa					1	Pa.
Ipomoea batatas (sweetpotato)	Argentina, Mexico, Peru, Sierra Leone, Union of South Africa.	1		1		3	La., Pa., Tex.
Manihot esculenta (cassava)	Sierra Leone	1					Pa.
Pueraria thunbergiana (kudzu)	China	1					N. Y.
Discosia artocreas:							
Camellia japonica (camellia)	Japan	1					Wash.
Ditylenchus dipsaci:							
Allium caeruleum	Netherlands	1					D. C.
Allium cepa (onion)	England					1	N. Y.
Amaryllis formossissima	Netherlands	1					D. C.
Chionodoxa lucilae (glory-of-the-snow).	do	12					N. Y.
Chionodoxa sardensis	do	1					Pa.
Convallaria majalis (lily-of-the-valley).	Germany, Netherlands	2					N. Y.
Hyacinthus sp	France, Netherlands	8					N. Y.
Iris sp	Netherlands	94	1				D. C., Wash.
Muscari sp	do	6					N. Y.
Narcissus sp	do	1	1				D. C., N. Y.
Scilla sibirica (Siberian squill)	do		1				D. C.
Scilla sp	do	3					N. Y.
Solanum tuberosum (potato)	England					1	Tex.
Tigridia sp	Netherlands	7	3				D. C.
Ditylenchus intermedius:							
Xanthosoma sp	Cuba	1					N. Y.
Elsinoe australis:							
Citrus sinensis (orange)	Brazil					2	N. Y.
Epichloe typhina:							
Festuca sp. (fescue)	Arabia	1					N. Y.
Epicoccum nigrum:							
Capsicum annuum (pepper)	Mexico	2		1			Ariz.
Erinose:							
Acer pseudoplatanus (sycamore maple).	England					1	N. Y.
Betula sp. (birch)	Poland			1			N. Y.
Unidentified leaf	Guatemala	1					Mass.
Erysiphe cichoracearum:							
Cucurbita pepo (pumpkin)	Mexico			2			Tex.
Dahlia sp	do			1			Tex.
Tagetes florida (marigold)	do			1			Tex.
Zinnia sp	do			1			Tex.
Erysiphe polygoni:							
Cuminum cyminum	Malta	1					N. Y.
Pisum sativum (pea)	France, Mexico	2		21		1	Ariz., N. Y., Tex.
Soja max (soybean)	Japan					1	Md.
Eutypa bambusina:							
Bamboo	Dutch East Indies	1					N. Y.
Fusicladium depressum:							
Foeniculum vulgare (fennel)	Italy	1				2	N. Y.
Fusicladium eriobotryae:							
Eriobotrye japonica (loquat)	do			1		1	N. Y.
Fusicoccum microspermum:							
Terminalia catappa (tropical almond).	Puerto Rico				1		N. Y.
Fusicoccum quercinum:							
Quercus sp	Germany	1					D. C.
Gibberella saubinetti:							
Triticum aestivum (wheat)	England	1					N. Y.
Gloeosporium cattleyae:							
Cattleya gaskelliana (orchid)	Venezuela			1			N. Y.
Cattleya gigas (orchid)	Colombia	1					Calif.*
Cattleya mossiae (orchid)	Venezuela			1			N. Y.
Cattleya persivaliana (orchid)	do			1			N. Y.
Cattleya skinneri (orchid)	do			1			N. Y.
Gloeosporium crocatum:							
Fedilanthus sp	Mexico		1				Calif.*

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
DISEASES—continued							
Gloeosporium cymbidii:							
Cymbidium sp. (orchid)	Japan	1					Calif.*
Gloeosporium fructigenum:							
Malus sylvestris (apple)	Ireland			1			N. Y.
Pyrus communis (pear)	France			1			N. Y.
Gloeosporium laeliae:							
Laelia anceps (orchid)	Mexico	2					Calif.*
Gloeosporium musarum:							
Musa paradisiaca (plantain)	Cuba	1					N. Y.
Musa sp. (banana)	Costa Rica, Ecuador, Mexico, Puerto Rico.	5		19		1	Pa., Tex., Was
Gloeosporium odontoglossi macrospora:							
Odontoglossum spp. (orchid)	Colombia	1					Calif.*
Gloeosporium orchidearum:							
Orchid	Brazil, Colombia	2		2			N. Y.
Gloeosporium psidii:							
Psidium guajava (guava)	Mexico			1			Tex.
Glomerella cincta:							
Cattleya sp. (orchid)	Belgium, Colombia	2	1				D. C.
Orchid	Venezuela			1			N. Y.
Glomerella gossypii:							
Gossypium sp. (cotton) (boll)	Mexico			1			Tex.
Guignardia aesculi:							
Aesculus sp. (horsechestnut)	Nova Scotia			1			N. Y.
Helminthosporium curvulum:							
Capsicum annum (pepper)	Cuba	1					N. Y.
Helminthosporium oryzae:							
Oryza sativa (rice)	Mexico		1				D. C.
Hemileia oncidii:							
Oncidium sp. (orchid)	Brazil	2		1			D. C.
Hendersonia donacis:							
Arundo donax (giant reed)	Palestine	1					N. Y.
Heterodera marioni:							
Bryophyllum sp	Jamaica			1			Ala.
Daphne genkwa (lilac daphne)	Japan		1				Calif.*
Nepenthes ventricosa	Philippines		1				Calif.*
Tabebuia ipe amarillo	Brazil			1			D. C.
Heterosporium allii:							
Allium sativum (garlic)	Italy	1					N. Y.
Heterosporium echinulatum:							
Dianthus sp. (carnation)	Guatemala, Mexico			3			Tex.
Ijuhya vitrea:							
Aglaonema sp	China	1					Calif.*
Kuehneola malvicola:							
Hibiscus syriacus (althea)	Mexico			2			Tex.
Leptosphaeria musarum:							
Musa sp., probably *sapientum*	Colombia	1					D. C.
Leptosphaeria ruscі:							
Ruscus aculeatus (butchers-broom).	Italy	1					N. Y.
Leptothyrium macrothecium:							
Paeonia sp	France		1				D. C.
Leptothyrium pomi:							
Citrus sinensis (orange)	Mexico			1			La.
Malus sylvestris (apple)	Italy, Spain					2	Pa.
Leptothyrium rubi:							
Rubus sp	France					2	N. Y.
Macrophoma oncidii:							
Orchid	Colombia			1			N. Y.
Macrosporium commune:							
Allium cepa (onion)	Mexico			28			Tex.
Macrosporium porri:							
Allium cepa (onion)	do			2			Tex.
Melampsora abieti capraearum:							
Salix sp. (?)	do	1					D. C.
Melampsora medusae:							
Populus sp	Chile	1					N. Y.
Melanconium sacchari:							
Saccharum officinarum (sugarcane).	Mexico, Sierra Leone			10	1		Pa., Tex.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
DISEASES—continued							
Meliola penzigi:							
Citrus nobilis deliciosa (Mandarin orange).	Japan	1					Wash.
Microdiplodia palmarum:							
Chamaerops humilis	Italy	1					N. Y.
Monilochaetes infuscans:							
Ipomoea batatas (sweetpotato)	Mexico			5			Tex.
Mycosphaerella citrullina:							
Benincasa hispida (hairy squash).	Cuba	2					N. Y.
Citrullus vulgaris (watermelon)	Cuba, Union of South Africa.	3				1	Md., N. Y.
Cucumis melo (melon)	Netherlands, Venezuela					2	N. Y.
Cucumis sativus (cucumber)	Cuba, Jamaica	41				1	N. Y.
Cucurbita maxima (squash)	Cuba	3					N. Y.
Momordica balsamina (balsam-apple).	do	5					N. Y.
Momordica charantia (balsam-pear).	do	15					N. Y.
Sechium edule (chayote)	Cuba, Italy, Jamaica, Portugal.	2		2		4	N. Y., Tex.
Solanum melongena (eggplant)	Cuba	1					N. Y.
Mycosphaerella lythracearum:							
Punica granatum (pomegranate).	Puerto Rico			1			N. Y.
Mycosphaerella musae:							
Musa sp. (banana)	Brazil	1					D. C.
Mycosphaerella rosicola:							
Rosa sp.	Bermuda			1			N. Y.
Mycosphaerella rubi:							
Rubus sp. (raspberry)	Mexico			1			Tex.
Mycosphaerella schoenoprasi:							
Allium fistulosum (Welsh onion).	Japan					3	Pa.
Allium porrum (leek)	do					2	La., Md.
Allium sativum (garlic)	France					2	N. Y.
Mycosphaerella tulasnei:							
Triticum aestivum (wheat)	Portugal		1				D. C.
Myriangium duriaei:							
Scale on orange	Puerto Rico					1	Pa.
Gardenia florida (Cape-jasmine)	Mexico	1					Tex.
Lepidosaphes beckii on grapefruit.	Honduras					1	Fla.*
Lepidosaphes beckii on tangelo	Bahamas			1			Fla.*
Nectria binotiana:							
Bamboo	France	1					D. C.
Phalaenopsis sp. (orchid)	do	1					D. C.
Nectria cinnabarina:							
Acer saccharinum (silver maple)	Canada	1					N. Y.
Nectria diploa:							
Ischnaspis longirostris on Cuban laurel.	Cuba			1			Fla.*
Lepidosaphes beckii on *Chalcas* sp.	do				1		Fla.*
Lepidosaphes beckii on *Citrus* sp.	do			1			Fla.*
Lepidosaphes beckii on grapefruit	Cuba, Honduras	1		2		1	Fla.*
Lepidosaphes beckii on lemon	Cuba			1			Fla.*
Lepidosaphes beckii on orange	Cuba, Haiti, Panama			5	1	1	Fla.*
Lepidosaphes beckii on tangelo	Bahamas			1			Fla.*
Parlatoria pergandii on grapefruit.	Cuba	1					Fla.*
Selenaspidus articulatus on grapefruit.	Honduras					1	Fla.*
Selenaspidus articulatus on orange.	Panama				1		Fla.*
Nigrospora oryzae:							
Citrus grandis (grapefruit)	Puerto Rico			1			N. Y.
Oidium euonymi japonici:							
Euonymus japonica	Greece, Italy			1	1		N. Y.
Oidium hortensiae:							
Hydrangea sp.	England		1				D. C.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
DISEASES—continued							
Oospora citri-aurantii:							
Citrus aurantifolia (lime)	Brazil, Cuba, Guatemala, Haiti, Mexico.	2	----	2	----	4	Pa., Tex.
Citrus sinensis (orange)	Brazil	----	----	----	1	----	Pa.
Panagrolaimus hygrophilus:							
Nelumbium nelumbo (waterlily)	Cuba	1	----	----	----	----	N. Y.
Panagrolaimus rigidus:							
Hyacinthus orientalis albulus (Roman hyacinth).	France	1	----	----	----	----	N. Y.
Zingiber officinalis (ginger)	Cuba	1	----	----	----	----	N. Y.
Papulospora coprophila:							
Allium cepa (onion)	Mexico	----	----	1	----	----	Tex.
Gladiolus sp	Netherlands	160	2	----	----	----	D. C.
Papulospora parasitica:							
Begonia sp	do	1	----	----	----	----	N. Y.
Lilium henryi (Henry lily)	do	1	----	----	----	----	N. Y.
Papulospora sp.:							
Allium cepa (onion)	Mexico	----	----	1	----	----	Tex.
Peronospora pisi:							
Pisum sativum (pea)	England, Italy, Mexico	----	----	1	----	2	N. Y., Tex.
Peronospora trifoliorum:							
Medicago sativa (alfalfa)	Mexico	----	----	1	----	----	Tex.
Pestalozzia coccolobae:							
Coccoloba uvifera (seagrape)	Bermuda	----	----	1	----	----	N. Y.
Pestalozzia compta:							
Rosa chinensis manetti	Ireland	1	----	----	----	----	N. Y.
Pestalozzia macrotricha:							
Rhododendron sp	England	1	----	----	----	----	D. C.
Pestalozzia neglecta:							
Euonymus sp	Japan	----	----	----	1	----	Wash.
Pestalozzia palmarum:							
Pandanus sp. (screwpine)	Philippines	1	----	----	----	----	Calif.*
Sabal sp. (palmetto)	Virgin Islands	----	----	1	----	----	N. Y.
Pestalozzia rhododendri:							
Azalea sp.	Belgium	1	----	----	----	----	D. C.
Rhododendron sp	England	----	1	----	----	----	Calif.*
Pezizella lythri:							
Paeonia moutan	Japan	2	1	----	----	----	Wash.
Paeonia suffruticosa	do	----	4	----	----	----	Wash.
Phleospora multimaculans:							
Juglans sp. (walnut)	Mexico	----	----	6	----	----	Tex.
Phlyctaena ranunculacearum:							
Paeonia moutan var	Japan	1	----	----	----	----	Calif.*
Phoma betae:							
Beta vulgaris (beet)	Mexico	3	----	1	----	----	Tex.
Phoma citricarpa:							
Citrus nobilis deliciosa (Mandarin orange).	Japan	1	----	----	----	----	Wash.
Citrus sinensis (orange)	Australia	----	----	----	----	1	Wash.
Phoma conigena abieticola:							
Picea excelsa (Norway spruce)	Germany	----	----	1	----	----	N. Y.
Phoma lingam (?):							
Brassica oleracea capitata (cabbage).	Mexico	----	----	3	----	----	Tex.
Phoma pomi:							
Malus sylvestris (apple)	Mexico	----	----	2	----	----	Tex.
Phoma tenuis:							
Camellia japonica (camellia)	Japan	2	----	----	----	----	Calif.*, Wash.
Phomopsis capsici:							
Capsicum annuum (pepper)	Cuba	3	----	----	----	----	N. Y.
Phomopsis perniciosa:							
Prunus subhirtella sendaica	Netheralnds	1	----	----	----	----	N. Y.
Phomopsis prunorum:							
Prunus laurocerasus (cherry-laurel).	France	1	----	----	----	----	N. Y.
Phragmidium rosae-aciculariis:							
Rosa sp	Canada	----	----	1	----	----	Wash.
Phyllachora cynodontis:							
Cynodon dactylon (Bermudagrass).	India	1	----	----	----	----	N. Y.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mails	Baggage	Quarters	Stores	
DISEASES—continued							
Phyllachora graminis:							
Grass	Mexico	1					N. Y.
Phyllachora gratissima:							
Persea americana (avocado)	Mexico			1			Tex.
Phyllachora trifolii:							
Trifolium sp. (clover)	Arabia	1					N. Y.
Phyllactinia corylea:							
Robinia sp. (locust)	Mexico			1			Tex.
Phyllosticta antirrhini:							
Antirrhinum majus (snapdragon).	Cuba					1	N. Y.
Phyllosticta camelliaecola meranensis:							
Camellia japonica (camellia)	Japan	1					Calif.*
Phyllosticta gladioli:							
Gladiolus sp	Mexico			1			Tex.
Phyllosticta nigro-maculans:							
Orchid	do	1					Tex.
Phyllosticta phaseolina:							
Phaseolus sp. (string bean)	Cuba	1					N. Y.
Phyllosticta ruscicola:							
Ruscus aculeatus (butchers-broom).	Italy	2					Pa.
Ruscus sp	do				1		N. Y.
Phyllosticta stanhopeae:							
Stanhopea sp. (orchid)	Mexico	1					Calif.*
Physalospora camptospora:							
Oncidium sp. (orchid)	Colombia	1					Calif.*
Physalospora cattleyae:							
Cattleya sp. (orchid)	Guatemala	1					Calif.*
Physalospora japonica:							
Camellia japonica (camellia)	Japan	1					Calif.*
Physalospora rosicola:							
Rosa sp	New South Wales	1					Calif.*
Phytophthora phaseoli:							
Phaseolus sp. (string bean)	Mexico			8			Ariz.
Phytophthora terrestria:							
Lycopersicum esculentum (tomato).	Cuba, Mexico	40					Ariz., Fla.*, N. Y.
Plasmodiophora brassicae:							
Brassica rapa (turnip)	France, Japan					3	N. Y., Pa., Wash.
Pleospora herbarum:							
Citrus sinensis (orange)	Italy			1			N. Y.
Podonectria coccicola (?):							
Lepidosaphes beckii on orange	Brazil				1		Fla.*
Pratylenchus pratensis:							
Colocasia esculenta (dasheen)	Jamaica			1			N. Y.
Convallaria majalis (lily-of-the-valley).	Denmark, Germany, Netherlands.	7					N. Y.
Dioscorea sp. (yam)	Antigua, Jamaica			3			N. Y.
Solanum tuberosum (potato)	Mexico, Norway			1		1	N. Y., Tex.
Pseudopeziza medicaginis:							
Medicago sativa (alfalfa)	Mexico			1			Tex.
Trifolium repens var. (shamrock).	Ireland		2				N. Y.
Pseudopeziza trifolii:							
Trifolium sp. (clover)	do		2				N. Y.
Puccinia allii:							
Allium sativum (garlic)	Argentina, Belgium, Chile, Egypt, France, Germany, Hungary, Italy, Netherlands, Portugal, Rumania, Spain, Turkey, Uruguay.	62	1	2		53	N. Y.
Puccinia buxi:							
Buxus sp. (box)	Ireland		2				Mass., Wash.
Puccinia cesatii:							
Andropogon annulatus	Egypt					1	N. Y.
Puccinia chrysanthemi:							
Chrysanthemum sp	Mexico			15			Calif., Tex.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
DISEASES—continued							
Puccinia gentianae:							
Gentiana clusii	Switzerland		1				N. Y.
Puccinia heterospora:							
Anoda sp.	Mexico	1		1			Tex.
Puccinia magnusiana:							
Phragmites communis	Italy	1					N. Y.
Puccinia ornithogali-thyrsoides:							
Ornithogalum thyrsoides (chinkerichee).	Union of South Africa				1		Mass.
Puccinia phragmitis							
Phragmites communis (reed-grass).	Netherlands	1					N. Y.
Puccinia purpurea:							
Holcus halepensis (Johnson grass).	Mexico	1					Ariz.
Holcus sorghum var. (broom-corn).	do	1		2			Tex.
Holcus sorghum (sorghum)	do	2		7			Tex.
Puccinia schedonnardi:							
Gossypium sp. (cotton)	do			1			Ariz.
Puccinia tageticola:							
Tagetes florida (marigold)	do			27			Tex.
Pucciniopsis caricae;							
Carica papaya (papaya)	Colombia, Cuba, Honduras, Jamaica, Puerto Rico.	22		3		21	N. Y.
Ravenelia ingae:							
Inga vera	Guatemala	1					Mass.
Rhabditis producta:							
Brassica rapa (turnip)	Italy					1	N. Y.
Rhizoctonia bataticola:							
Cucumis melo (melon)	Chile	5					N. Y.
Rhytisma acerinum:							
Acer pseudoplatanus (sycamore)	England					1	N. Y.
Acer sp.	Denmark	1					N. Y.
Rotylenchus robustus:							
Convallaria majalis (lily-of-the-valley).	Denmark, Netherlands	2					N. Y.
Sclerotinia fructigena:							
Malus sylvestris (apple)	England					1	Pa.
Prunus domestica (plum)	England, France, Italy					3	N. Y.
Prunus sp. (cherry)	England, Italy					2	N. Y.
Sclerotinia minor:							
Cichorium intybus (witloof)	Belgium	15					N. Y.
Sclerotinia minutissima:							
Narcissus sp.	Netherlands	5					N. Y.
Sclerotinia narcissi:							
Narcissus sp.	do	5					N. Y.
Sclerotiopsis testudinea:							
Paeonia moutan	Japan	2					Calif.*
Paeonia suffruticosa	do		1				Wash.
Sclerotium cepivorum:							
Allium sativum (garlic)	France, Italy	1				1	N. Y.
Septomyxa persicina:							
Sechium edule (chayote)	Cuba	1					Fla.*
Septoria azaleae:							
Azalea indica (azalea)	Belgium, Netherlands	6	1	1			D. C.
Septoria caricis montanae:							
Carex montana	Sweden		1				N. Y.
Septoria chrysanthemella:							
Chrysanthemum sp.	Bermuda, England			1	1		N. Y.
Septoria citri:							
Citrus limonia (lemon)	Union of South Africa					1	N. Y.
Septoria darrowii:							
Rubus sp. (blackberry)	Mexico			1			Tex.
Septoria dianthi:							
Dianthus sp. (carnation)	Italy			2			N. Y.
Septoria drummondi:							
Phlox drummondi	Bermuda			1			N. Y.
Septoria endiviae:							
Cichorium endivia (escarole)	Italy					1	N. Y.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
DISEASES—continued							
Septoria gladioli:							
Gladiolus sp	Mexico			1			Ariz.
Septoria hydrangeae:							
Hydrangea sp	do			2			Tex.
Septoria lactucae:							
Lactuca sativa (lettuce)	Brazil					1	N. Y.
Septoria lycopersici:							
Lycopersicum esculentum (tomato)	Mexico			1			Tex.
Septoria malvicola:							
Malva rotundifolia	Rumania		1				N. Y.
Septoria nodorum:							
Triticum aestivum (wheat)	England	1					N. Y.
Septoria origanicola majoranae:							
Origanum sp. (marjorum)	Canada			1			Wash.
Septoria pisi:							
Pisum sativum (pea)	Portugal					2	N. Y.
Septoria rubi:							
Rubus sp. (raspberry)	Mexico			1			Tex.
Septoria taraxaci:							
Taraxacum officinale (dandelion).	Italy					1	N. Y.
Sphaerotheca pannosa:							
Rosa sp	Cuba, Mexico			5		1	Fla.*, Tex.
Sporonema oxycocci:							
Vaccinium vitis-idaea (lingon berry).	Newfoundland		1				Pa.
Stagonospora curtisii:							
Narcissus sp.	Netherlands	1					N. Y.
Stemphylium citri:							
Citrus nobilis deliciosa (Mandarin orange).	Japan	4					Wash.
Citrus sinensis (orange)	China			2			Wash.
Thielaviopsis basicola:							
Gloxinia	Belgium	1					Mass.
Tilletia tritici:							
Triticum aestivum (wheat)	Mexico			4			Ariz.
Tilletia vulpiae:							
Festuca sp. (fescue)	Syria	1					N. Y.
Transchelia pruni-spinosae:							
Amygdalus persica nectarina (nectarine).	Chile	1					N. Y.
Amygdalus persica (peach)	Chile, Mexico	1		1			N. Y., Tex.
Uredinopsis macrosperma:							
Pteridium aquilinum (bracken).	Mexico			1			Tex.
Uredo erythroxylonis:							
Erythroxylon coca (coca)	Peru	1					N. Y.
Urocystis cepulae:							
Allium cepa (onion)	Italy	1					N. Y.
Urocystis colchici:							
Colchicum sp. (autumn crocus)	Netherlands	2					D. C.
Urocystis occulta:							
Secale cereale (rye)	Denmark	1					Md.
Uromyces betae:							
Beta vulgaris cicla (Swiss chard)	Italy					1	N. Y.
Uromyces dolicholi:							
Cajanus indicus (pigeon pea)	Cuba			1			N. Y.
Uromyces fabae:							
Vicia faba (fava bean)	Italy	1				1	Mass., N. Y.
Uromyces lespedezae-procumbentis:							
Lespedeza buergeri	Japan		1				Calif.*
Lespedeza formosa alba	do	1					Wash.
Lespedeza formosa albiflora	do	4					Wash.
Uromyces striatus medicaginis:							
Medicago sativa (alfalfa)	Argentina, Mexico			4		1	N. Y., Tex.
Uromyces trifolii:							
Trifolium repens var. (shamrock)	Ireland		1				N. Y.
Ustilago bromivora:							
Bromus tectorum	Italy	1					N. Y.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
DISEASES—continued							
Ustilago grandis:							
Phragmites communis (reed-grass)	Netherlands	2					N. Y.
Phragmites sp.	do	1					N. Y.
Ustilago levis:							
Avena sativa (oat)	Mexico			2			Tex.
Ustilago vaillantii:							
Muscari comosum (cipollino)	Italy, Morocco	7					N. Y.
Vermicularia capsici:							
Capsicum annuum (pepper)	Cuba, Java	2				1	La., Md., N. Y.
Vermicularia liliacearum:							
Iris germanica var.	Australia, France		4				Calif.*
Vermicularia trichella:							
Hedera helix (English ivy)	Norway				1		N. Y.
Verticillium albo-atrum:							
Dahlia sp.	Netherlands		1				D. C.
Gloxinia	do	1					N. Y.
Gossypium sp. (cotton)	Mexico			1			Tex.
Virus, mosaic:							
Apium graveolens (celery)	Peru					1	N. Y.
Capsicum annuum (pepper)	Mexico	150		8			Ariz., Tex.
Cucurbita maxima (squash)	do			2			Tex.
Lilium longiflorum harrisii	Bermuda			3			N. Y.
Lycopersicum esculentum (tomato)	Mexico			2			Tex.
Virus, spotted wilt:							
Lycopersicum esculentum	do	6		1			Ariz.
Zygosporium oschioides:							
Palm	Cuba	1					N. Y.

Hosts and diseases

ACER:
Erinose (mite gall).
Nectria cinnabarina (Ascomycetes).
Rhytisma acerinum (Ascomycetes).
ACONITUM:
Aphelenchoides fragariae (Nematoda).
AESCULUS:
Guignardia aesculi (Ascomycetes).
AGLAONEMA:
Aphelenchoides parietinus (Nematoda).
Ijuhya vitrea (Ascomycetes).
ALLIUM CAERULEUM:
Ditylenchus dipsaci (Nematoda).
ALLIUM CEPA:
Botrytis allii (Deuteromycetes).
Ditylenchus dipsaci (Nematoda).
Macrosporium commune (Deuteromycetes).
Macrosporium porri (Deuteromycetes).
Papulospora coprophila (Deuteromycetes).
Papulospora sp. (Deuteromycetes).
Urocystis cepulae (Promycetes).
ALLIUM FISTULOSUM:
Mycosphaerella schoenoprasi (Ascomycetes).
ALLIUM NEAPOLITANUM:
Aphelenchoides subtenuis (Nematoda).
ALLIUM PORRUM:
Mycosphaerella schoenoprasi (Ascomycetes).
ALLIUM SATIVUM:
Aphelenchoides parietinus (Nematoda).
Aphelenchus avenae (Nematoda).
Heterosporium allii (Deuteromycetes).
Mycosphaerella schoenoprasi (Ascomycetes).
Puccinia allii (Promycetes).
Sclerotium cepivorum (Deuteromycetes).
ALSTROEMERIA:
Aphelenchoides hunti (Nematoda).
AMARYLLIS:
Ditylenchus dipsaci (Nematoda).
AMYGDALUS PERSICA:
Coryneum beijerinckii (Deuteromycetes).
Tranzschelia pruni-spinosae (Promycetes).
AMYGDALUS PERSICA NECTARINA:
Tranzschelia pruni-spinosae (Promycetes).
ANDROPOGON:
Puccinia cesatii (Promycetes).
ANODA:
Puccinia heterospora (Promycetes).
ANTIRRHINUM:
Phyllosticta antirrhini (Deuteromycetes).
APIUM:
Mosaic (virus).
ARAUCARIA:
Cryptospora longispora (Ascomycetes).
ARUNDO:
Hendersonia donacis (Deuteromycetes).
ASTER:
Coleosporium solidaginis (Promycetes).
AVENA:
Ustilago levis (Promycetes).
AZALEA:
Cercospora handeli (Deuteromycetes).
Pestalozzii rhododendri (Deuteromycetes).
Septoria azaleae (Deuteromycetes).
BAMBOO:
Eutypa bambusina (Ascomycetes).
Nectria binotiana (Ascomycetes).
BEGONIA:
Papulospora parasitica (Deuteromycetes).

Hosts and diseases—Continued

BENINCASA:
Mycosphaerella citrullina (Ascomycetes).
BETA VULGARIS:
Phoma betae (Deuteromycetes).
BETA VULGARIS CICLA:
Uromyces betae (Promycetes).
BETULA:
Erinose (mite gall).
BRASSIA—See Orchidaceae.
BRASSICA OLERACEA CAPITATA:
Bacterium campestre (Schizomycetes).
Phoma lingam (?) (Deuteromycetes).
BRASSICA RAPA:
Plasmodiophora brassicae (Myxomycetes).
Rhabditis producta (Nematoda).
BROMUS:
Ustilago bromivora (Promycetes).
BRYOPHYLLUM:
Heterodera marioni (Nematoda).
BUXUS:
Puccinia buxi (Promycetes).
CAJANUS:
Colletotrichum cajani (Deuteromycetes).
Uromyces dolicholi (Promycetes).
CAMELLIA:
Discosia artocreas (Deuteromycetes).
Phoma tenuis (Deuteromycetes).
Phyllosticta cameliaecola (Deuteromycetes).
Physalospora japonica (Ascomycetes).
CAMPANULA:
Coleosporium campanulae (Promycetes).
CAPSICUM:
Epicoccum nigrum (Deuteromycetes).
Helminthosporium curvulum (Deuteromycetes).
Phomopsis capsici (Deuteromycetes).
Vermicularia capsici (Deuteromycetes).
Virus (mosaic).
CAREX:
Septoria caricis montanae (Deuteromycetes).
CARICA:
Pucciniopsis caricae (Deuteromycetes).
CASTANEA:
Acrospeira mirabilis (Deuteromycetes).
Cylindrosporium castanicolum (Deuteromycetes).
Cytospora ambiens (Deuteromycetes).
CATTLEYA—See Orchidaceae.
CHAMAEROPS:
Microdiplodia palmarum (Deuteromycetes).
CHIONODOXA:
Aphelenchus avenae (Nematoda).
Ditylenchus dipsaci (Nematoda).
CHRYSANTHEMUM:
Cylindrosporium chrysanthemi (Deuteromycetes).
Puccinia chrysanthemi (Promycetes).
Septoria chrysanthemella (Deuteromycetes).
CICHORIUM:
Sclerotinia minor (Ascomycetes).
Septoria endiviae (Deuteromycetes).
CITRULLUS:
Mycosphaerella citrullina (Ascomycetes).
CITRUS AURANTIFOLIA:
Bacterium citri (Schizomycetes).
Oospora citri-aurantii (Deuteromycetes).
CITRUS GRANDIS:
Bacterium citri (Schizomycetes).
Nigrospora oryzae (Deuteromycetes).
CITRUS LIMONIA:
Bacterium citri (Schizomycetes).
Septoria citri (Deuteromycetes).
CITRUS NOBILIS:
Alternaria citri (Deuteromycetes).
CITRUS NOBILIS DELICIOSA:
Meliola penzigi (Ascomycetes).
Phoma citricarpa (Deuteromycetes).
Stemphylium citri (Deuteromycetes).
CITRUS SINENSIS:
Alternaria citri (Deuteromycetes).
Bacterium citri (Schizomycetes).
Elsinoe australis (Ascomycetes).
Leptothyrium pomi (Deuteromycetes).
Oospora citri-aurantii (Deuteromycetes).
Phoma citricarpa (Deuteromycetes).
Pleospora herbarum (Ascomycetes).
Stemphylium citri (Deuteromycetes).
COCCOLOBA:
Pestalozzia coccolobae (Deuteromycetes).
COLCHICUM:
Urocystis colchici (Promycetes).
COLOCASIA:
Diplodia tubericola (Deuteromycetes).
Pratylenchus pratensis (Nematoda).
CONVALLARIA:
Aphelenchoides fragariae (Nematoda).
Aphelenchoides parietinus (Nematoda).
Ditylenchus dipsaci (Nematoda).
Pratylenchus pratensis (Nematoda).
Rotylenchus robustus (Nematoda).
CROCUS:
Aphelenchus avenae (Nematoda).
CUCUMIS MELO:
Mycosphaerella citrullina (Ascomycetes).
Rhizoctonia bataticola (Deuteromycetes).
CUCUMIS SATIVUS:
Cladosporium cucumerinum (Deuteromycetes).
Mycosphaerella citrullina (Ascomycetes).
CUCURBITA MAXIMA:
Mycosphaerella citrullina (Ascomycetes).
Virus (mosaic).
CUCURBITA PEPO:
Colletotrichum lagenarium (Deuteromycetes).
Erysiphe cichoracearum (Ascomycetes).
CUMINUM:
Erysiphe polygoni (Ascomycetes).
CYMBIDIUM—See Orchidaceae.
CYMBOPOGON:
Aphelenchoides parietinus (Nematoda).
CYNODON:
Phyllachora cynodontis (Ascomycetes).
DAHLIA:
Erysiphe cichoracearum (Ascomycetes).
Verticillium albo-atrum (Deuteromycetes).
DAPHNE:
Heterodera marioni (Nematoda).
DIANTHUS:
Alternaria dianthi (Deuteromycetes).
Heterosporium echinulatum (Deuteromycetes).
Septoria dianthi (Deuteromycetes).
DIOSCOREA:
Diplodia tubericola (Deuteromycetes).
Pratylenchus pratensis (Nematoda).
ERIOBOTRYA:
Fusicladium eriobotryae (Deuteromycetes).
ERYTHROXYLON:
Uredo erythroxylonis (Promycetes).
EUONYMUS:
Cercosporella euonymi (Deuteromycetes).
Oidium euonymi-japonici (Deuteromycetes).
Pestalozzia neglecta (Deuteromycetes).
FAGUS:
Cytospora ambiens (Deuteromycetes).
FESTUCA:
Epichloe typhina (Ascomycetes).
Tilletia vulpiae (Promycetes).
FOENICULUM:
Fusicladium depressum (Deuteromycetes).
FRITILLARIA:
Aphelenchoides parietinus (Nematoda).
Aphelenchus avenae (Nematoda).
GALANTHUS:
Aphelenchoides parietinus (Nematoda).
Botrytis galanthina (Deuteromycetes).
GARDENIA:
Myriangium duriaei (Ascomycetes).
GENTIANA:
Puccinia gentianae (Promycetes).
GLADIOLUS:
Aphelenchoides parietinus (Nematoda).
Papulospora coprophila (Deuteromycetes).
Papulospora sp. (Deuteromycetes).
Phyllosticta gladioli (Deuteromycetes).
Sentoria gladioli (Deuteromycetes).
GLOXINIA:
Aphelenchoides parietinus (Nematoda).
Thielaviopsis basicola (Deuteromycetes).
Verticillium albo-atrum (Deuteromycetes).
GOSSYPIUM:
Cercospora althaeina (Deuteromycetes).
Glomerella gossypii (Ascomycetes).
Puccinia schedonnardi (Promycetes).
Verticillium albo-atrum (Deuteromycetes).
GRASS:
Colletotrichum graminicolum (Deuteromycetes).
Phyllachora graminis (Ascomycetes).
HEDERA:
Colletotrichum hedericola (Deuteromycetes).
Vermicularia trichella (Deuteromycetes).

Hosts and diseases—Continued

HIBISCUS:
Cercospora althaeina (Deuteromycetes).
Kuehneola malvicola (Promycetes).
HOLCUS HALEPENSIS:
Puccinia purpurea (Promycetes).
HOLCUS SORGHUM:
Dariuca filum (Deuteromycetes).
Puccinia purpurea (Promycetes).
HOLCUS SORGHUM var. (broomcorn):
Puccinia purpurea (Promycetes).
HYACINTHUS:
Bacterium hyacinthi (Schizomycetes).
Ditylenchus dipsaci (Nematoda).
Panagrolaimus rigidus (Nematoda).
HYDRANGEA:
Oidium hortensiae (Deuteromycetes).
Septoria hydrangeae (Deuteromycetes).
INGA:
Ravenelia ingae (Promycetes).
INSECTS:
Cephalosporium lecanii (Deuteromycetes).
Myriangium duriaei (Ascomycetes).
Nectria diplosa (Ascomycetes).
Podonectria coccicola (Ascomycetes).
IPOMOEA:
Aphelenchoides hunti (Nematoda).
Ceratostomella fimbriata (Ascomycetes).
Cercospora ipomoeae (Deuteromycetes).
Diplodia tubericola (Deuteromycetes).
Monilochaetes infuscans (Deuteromycetes).
IRIS:
Ditylenchus dipsaci (Nematoda).
Vermicularia liliacearum (Deuteromycetes).
JUGLANS:
Phleospora multimaculans (Deuteromycetes).
KERRIA:
Coryneum microstictum (Deuteromycetes).
LACTUCA:
Septoria lactucae (Deuteromycetes).
LAELIA—See Orchidaceae.
LESPEDEZA:
Uromyces lespedezae-procumbentis (Promycetes).
LILIUM:
Aphelenchoides parietinus (Nematoda).
Papulospora parasitica (Deuteromycetes).
Virus (mosaic).
LYCASTE.—See Orchidaceae.
LYCOPERSICUM:
Alternaria fasciculata(?) (Deuteromycetes).
Aplanobacter michiganense (Schizomycetes).
Bacterium punctilans (Schizomycetes).
Colletotrichum phomoides (Deuteromycetes).
Phytophthora terreatria (Phycomycetes).
Septoria lycopersici (Deuteromycetes).
Virus (mosaic).
Virus (spotted wilt).
MAHONIA:
Cumminsiella sanguinea (Promycetes).
MALUS:
Alternaria mali (Deuteromycetes).
Gloeosporium fructigenum (Deuteromycetes).
Leptothyrium pomi (Deuteromycetes).
Phoma pomi (Deuteromycetes).
Sclerotinia fructigena (Ascomycetes).
MALVA:
Septoria malvicola (Deuteromycetes).
MANIHOT:
Diplodia tubericola (Deuteromycetes).
MEDICAGO:
Colletotrichum destructivum (Deuteromycetes).
Peronospora trifoliorum (Phycomycetes).
Pseudopeziza medicaginis (Ascomycetes).
Uromyces striatus medicaginis (Promycetes).
MOMORDICA:
Mycosphaerella citrullina (Ascomycetes).
MUSA PARADISIACA:
Gloeosporium musarum (Deuteromycetes).
MUSA SP.:
Cercospora musae (Deuteromycetes).
Gloeosporium musarum (Deuteromycetes).
Leptosphaeria musarum (Ascomycetes).
Mycosphaerella musae (Ascomycetes).
MUSCARI:
Aspergillus alliaceus (Deuteromycetes).
Ditylenchus dipsaci (Nematoda).
Ustilago vaillantii (Promycetes).
NARCISSUS:
Aphelenchoides parietinus (Nematoda).
Aphelenchoides subtenuis (Nematoda).
Botrytis narcissicola (Deuteromycetes).
Ditylenchus dipsaci (Nematoda).
Sclerotinia minutissima (Ascomycetes).
Sclerotinia narcissi (Ascomycetes).
Stagonospora curtisii (Deuteromycetes).
NELUMBIUM:
Panagrolaimus hygrophilus (Nematoda).
NEPENTHES:
Heterodera marioni (Nematoda).
ODONTOGLOSSUM—See Orchidaceae.
ONCIDIUM—See Orchidaceae.
ORCHIDACEAE:
Aphelenchoides parietinus (Nematoda).
Cercospora angreci (Deuteromycetes).
Colletotrichum macrosporum (Deuteromycetes).
Colletotrichum orchidearum (Deuteromycetes).
Colletotrichum stanhopeae (Deuteromycetes).
Gloeosporium cattleyae (Deuteromycetes).
Gloeosporium cymbidii (Deuteromycetes).
Gloeosporium laeliae (Deuteromycetes).
Gloeosporium odontoglossi macrospora (Deuteromycetes).
Gloeosporium orchidearum (Deuteromycetes).
Glomerella cincta (Ascomycetes).
Hemileia oncidii (Promycetes).
Macrophoma oncidii (Deuteromycetes).
Nectria binotiana (Ascomycetes).
Phyllosticta nigro-maculans (Deuteromycetes).
Phyllosticta stanhopeae (Deuteromycetes).
Physalospora camptospora (Ascomycetes).
Physalospora cattleyae (Ascomycetes).
ORIGANUM:
Septoria origanicola majoranae (Deuteromycetes).
ORNITHOGALUM:
Puccinia ornithgali-thyrsoides (Promycetes).
ORYZA:
Helminthosporium oryzae (Deuteromycetes).
PAEONIA:
Leptothyrium macrotheciun (Deuteromycetes).
Pezizella lythri (Ascomycetes).
Phlyctaena ranunculacearum (Deuteromycetes).
Sclerotiopsis testudinea (Deuteromycetes).
PALM:
Zygosporium oschioides (Deuteromycetes).
PANDANUS:
Pestalozzia palmarum (Deuteromycetes).
PASPALUM:
Claviceps paspali (Ascomycetes).
PEDILANTHUS:
Gloeosporium crocatum (Deuteromycetes).
PERSEA:
Aspergillus glaucus (Deuteromycetes).
Phyllachora gratissima (Ascomycetes).
PHALAENOPSIS—See Orchidaceae.
PHASEOLUS LUNATUS MACROCARPUS:
Colletotrichum truncatum (Deuteromycetes).
PHASEOLUS SP. (string bean):
Bacterium phaseoli (Schizomycetes).
Phyllosticta phaseolina (Deuteromycetes).
Phytophthora phaseoli (Phycomycetes).
PHLOX:
Septoria drummondi (Deuteromycetes).
PHRAGMITES:
Puccinia magnusiana (Promycetes).
Puccinia phragmitis (Promycetes).
Ustilago grandis (Promycetes).
PHYSALIS:
Colletotrichum phomoides (Deuteromycetes).
PICEA:
Phoma conigena abieticola (Deuteromycetes).
PISUM:
Bacterium pisi (Schizomycetes).
Colletotrichum pisi (Deuteromycetes).
Erysiphe polygoni (Ascomycetes).
Peronospora pisi (Phycomycetes).
Septoria pisi (Deuteromycetes).
POPULUS:
Melampsora medusae (Promycetes).
PRUNUS DOMESTICA:
Sclerotinia fructigena (Ascomycetes).
PRUNUS LAUROCERASUS:
Phomopsis prunorum (Deuteromycetes).

Hosts and diseases—Continued

PRUNUS SUBHIRTELLA SENDAICA:
Phomopsis perniciosa (Deuteromycetes).
PRUNUS SP. (cherry):
Sclerotinia fructigena (Ascomycetes).
PSIDIUM:
Gloeosporium psidii (Deuteromycetes).
PTERIDIUM:
Uredinopsis macrosperma (Promycetes).
PUERARIA:
Diplodia tubericola (Deuteromycetes).
PUNICA:
Mycosphaerella lythracearum (Ascomycetes).
PYRUS:
Coryneum foliicolum (Deuteromycetes).
Gloeosporium fructigenum (Deuteromycetes).
QUERCUS:
Fusicoccum quercinum (Deuteromycetes).
RHODODENDRON:
Cercospora rhododendri (Deuteromycetes).
Chrysomyxa rhododendri (Promycetes).
Pestalozzia macrotrichum (Deuteromycetes).
Pestalozzia rhododendri (Deuteromycetes).
ROBINIA:
Phyllactinia corylea (Ascomycetes).
ROSA CHINENSIS MANETTI:
Apiosporella rhodophila (Ascomycetes).
Coryneum microstictum (Deuteromycetes).
Pestalozzia compta (Deuteromycetes).
ROSA SP.:
Mycosphaerella rosicola (Ascomycetes).
Phragmidium rosae-acicularis (Promycetes).
Physalospora rosicola (Ascomycetes).
Sphaerotheca pannosa (Ascomycetes).
RUBUS:
Leptothyrium rubi (Deuteromycetes).
Mycosphaerella rubi (Ascomycetes).
Septoria darrowii (Deuteromycetes).
Septoria rubi (Deuteromycetes).
RUSCUS:
Leptosphaeria rusci (Ascomycetes).
Phyllosticta ruscicola (Deuteromycetes).
SABAL:
Pestalozzia palmarum (Deuteromycetes).
SACCHARUM:
Colletotrichum falcatum (Deuteromycetes).
Melanconium sacchari (Deuteromycetes).
SALIX:
Melampsora abieti-capraearum (Promycetes).
SCILLA:
Ditylenchus dipsaci (Nematoda).
SECALE:
Darluca filum (Deuteromycetes).
Urocystis occulta (Promycetes).
SECHIUM:
Colletotrichum lagenarium (Deuteromycetes).
SECHIUM—Continued.
Mycosphaerella citrullina (Ascomycetes).
Septomyxa persicina (Deuteromycetes).
SOJA:
Erysiphe polygoni (Ascomycetes).
SOLANUM MELONGENA:
Mycosphaerella citrullina (Ascomycetes).
SOLANUM TUBEROSUM:
Aphelenchoides parietinus (Nematoda).
Aphelenchus avenae (Nematoda).
Ditylenchus dipsaci (Nematoda).
Pratylenchus pratensis (Nematoda).
TABEBUIA:
Heterodera marioni (Nematoda).
TAGETES:
Erysiphe cichoracearum (Ascomycetes).
Puccinia tageticola (Promycetes).
TARAXACUM:
Septoria taraxaci (Deuteromycetes).
TERMINALIA:
Fusicoccum microspermum (Deuteromycetes).
TIGRIDIA:
Ditylenchus dipsaci (Nematoda).
TRIFOLIUM:
Phyllachora trifolii (Ascomycetes).
Pseudopeziza medicaginis (Ascomycetes).
Pseudopeziza trifolii (Ascomycetes).
Uromyces trifolii (Promycetes).
TRITICUM:
Anguina tritici (Nematoda).
Gibberella saubinetii (Ascomycetes).
Mycosphaerella tulasnei (Ascomycetes).
Septoria nodorum (Deuteromycetes).
Tilletia tritici (Promycetes).
TULIPA:
Botrytis tulipae (Deuteromycetes).
VACCINIUM:
Sporonema oxycocci (Deuteromycetes).
VICIA:
Uromyces fabae (Promycetes).
VIGNA:
Aspergillus flavus (Deuteromycetes).
XANTHOSOMA:
Aphelenchoides parietinus (Nematoda).
Cephalobus persegnis (Nematoda).
Ditylenchus intermedius (Nematoda).
ZAMIA:
Aschersonia cubensis (Deuteromycetes).
ZINGIBER:
Aphelenchoides parietinus (Nematoda).
Panagrolaimus rigidus (Nematoda).
ZINNIA:
Cercospora atricincta (Deuteromycetes).
Cercospora zinniae (Deuteromycetes).
Erysiphe cichoracearum (Ascomycetes).

Unknown hosts

LEAF:
Erinose (mite gall).

Country of origin and diseases

AFGHANISTAN:
Anguina tritici (Steinb.) Filipjev.
ANTIGUA:
Pratylenchus pratensis (deMan) Filipjev.
ARABIA:
Colletotrichum graminicolum (Ces.) Wils.
Epichloe typhina (Tul.) Pers.
Phyllachora trifolii Fckl.
ARGENTINA:
Diplodia tubericola (E. & E.) Taub.
Puccinia allii (DC.) Rud.
Uromyces striatus medicaginis (Pass.) Arth.
AUSTRALIA:
Phoma citricarpa McAlp.
Vermicularia liliacearum Westd.
BAHAMAS:
Myriangium duriaei Mont. & Berk.
Nectria diploa B. & C.
BELGIUM:
Cercospora handeli Bubak.
Glomerella cincta (Ston.) Spauld. & Schrenk.
BELGIUM—Continued.
Pestalozzia rhododendri (D. Sacc.) Guba.
Puccinia allii (DC.) Rud.
Sclerotinia minor Jagger.
Septoria azaleae Vogl.
Thielaviopsis basicola (Berk.) Ferraris.
BERMUDA:
Mycosphaerella rosicola (Pass.) B. H. Davis.
Pestalozzia coccolobae E. & E.
Septoria chrysanthemella Cav.
Septoria drummondi E. & E.
Virus (mosaic).
BRAZIL:
Colletotrichum lagenarium (Pass.) Ell. & Hals.
Elsinoe australis Bit. & Jenk.
Gloeosporium orchidearum Karst. & Har.
Hemileia oncidii Griff. & Maubl.
Heterodera marioni (Cornu) Goodey.
Mycosphaerella musae (Speg.) Syd.
Oospora citri-aurantii C. O. Smith.
Podonectria coccicola E. & E.
Septoria lactucae Pass.

Country of origin and diseases—Continued

CANADA:
Cercospora rhododendri March. & Verpl.
Coleosporium solidaginis (Schw.) Thuem.
Nectria cinnabarina (Tode) Fr.
Phragmidium rosae-acicularis Liro.
Septoria origanicola majoranae Bres.
CHILE:
Melampsora medusae Thuem.
Puccinia allii (DC.) Rud.
Rhizoctonia bataticola (Taub.) Butl.
Tranzschelia pruni-spinosae (Pers.) Diet.
CHINA:
Alternaria citri N. B. Pierce.
Aphelenchoides parietinus (Bast.) Steiner.
Bacterium citri (Hasse) Doidge.
Diplodia tubericola (E. & E.) Taub.
Ijuhya vitrea Starb.
Stemphylium citri Patterson & Charles.
COLOMBIA:
Aphelenchoides parietinus (Bast.) Steiner.
Cephalosporium lecanii Zimm.
Cercospora musae Zimm.
Claviceps paspali (Schw.) Stevens & Hall.
Colletotrichum orchidearum All.
Gloeosporium cattleyae Sacc. & D. Sacc.
Gloeosporium odontoglossi macrospora Verpl.
Gloeosporium orchidearum Karst. & Har.
Glomerella cincta (Ston.) Spauld. & Schrenk.
Leptosphaeria musarum S. & H.
Macrophoma oncidii P. Henn.
Physalospora camptospora Sacc.
Pucciniopsis caricae Earle.
COSTA RICA:
Gloeosporium musarum Cke. & Mass.
CUBA:
Alternaria fasciculata (?) (C. & E.) Jones & Grout.
Aphelenchoides parietinus (Bast.) Steiner.
Aspergillus flavus Link.
Cephalobus persegnis Bast.
Cephalosporium lecanii Zimm.
Cercospora musae Zimm.
Cladosporium cucumerinum Ell. & Arth.
Colletotrichum falcatum F. A. Went.
Colletotrichum lagenarium (Pass.) Ell. & Hals.
Colletotrichum phomoides (Sacc.) Chester.
Colletotrichum truncatum (Schw.) Andrus & Moore.
Ditylenchus intermedius (deMan) Filipjev.
Gloeosporium musarum Cke. & Mass.
Helminthosporium curvulum Sacc.
Mycosphaerella citrullina (Smith) Gross.
Nectria diploa B. & C.
Oospora citri-aurantii C. O. Smith.
Panagrolaimus hygrophilus Bassen.
Panagrolaimus rigidus (Schneider) Thorne.
Phomopsis capsici (Mgn.) Sacc.
Phyllosticta antirrhini Syd.
Phyllosticta phaseolina Sacc.
Phytophthora terrestria Sherb.
Pucciniopsis caricae Earle.
Septomyxa persicina (Fres.) Sacc.
Sphaerotheca pannosa (Wallr.) Lev.
Uromyces dolichoti Arth.
Vermicularia capsici Syd.
Zygosporium oschioides Mont.
DENMARK:
Aphelenchoides parietinus (Bast.) Steiner.
Pratylenchus pratensis (deMan) Filipjev.
Rhytiema acerinum (Pers.) Fries.
Rotylenchus robustus (DeMan) Filipjev.
Urocystis occulta (Wallr.) Rab.
DOMINICAN REPUBLIC:
Colletotrichum macrosporum Sacc.
ECUADOR:
Gloeosporium musarum Cke. & Mass.
EGYPT:
Puccinia allii (DC.) Rud.
Puccinia cesatii Schroet.
ENGLAND:
Alternaria dianthi Stevens & Hall.
Aphelenchoides hunti Steiner.
Cercospora angreci Gaill. & Feuill.
Coleosporium campanulae (Pers.) Lev.
Colletotrichum orchidearum All.
Cytospora ambiens Sacc.
Ditylenchus dipsaci (Kuhn) Filipjev.
Erinose.
Gibberella saubinetii (Mont.) Sacc.
Oidium hortensiae Jorstadt.

ENGLAND—Continued.
Peronospora pisi (DeBy.) Syd.
Pestalozzia macrotricha Klebahn.
Pestalozzia rhododendri (D. Sacc.) Guba.
Rhytisma acerinum (Pers.) Fries.
Sclerotinia fructigena Aderh. & Ruhl.
Septoria chrysanthemella Cav.
Septoria nodorum Berk.
FRANCE:
Aphelenchoides parietinus (Bast.) Steiner.
Coryneum foliicolum Fckl.
Cytospora ambiens Sacc.
Ditylenchus dipsaci (Kuhn) Filipjev.
Erysiphe polygoni DC.
Gloeosporium fructigenum Berk.
Leptothyrium macrothecium Fckl.
Leptothyrium rubi (Duby) Sacc.
Mycosphaerella schoenoprasi (Rabenh.) Schroet.
Nectria binotiana Sacc.
Panagrolaimus rigidus (Schneider) Thorne.
Phomopsis prunorum Grove.
Plasmodiophora brassicae Wor.
Puccinia allii (DC.) Rud.
Sclerotinia fructigena Aderh. & Ruhl.
Sclerotium cepivorum Berk.
Vermicularia liliacearum Westd.
GERMANY:
Aphelenchoides fragariae (Ritzema Bos) Christie.
Aphelenchoides parietinus (Bast.) Steiner.
Ditylenchus dipsaci (Kuhn) Filipjev.
Fusicoccum quercinum Sacc.
Phoma conigena abieticola Sacc.
Pratylenchus pratensis (DeMan) Filipjev.
Puccinia allii (DC.) Rud.
GREECE:
Oidium euonymi-japonici (Arcang.) Sacc.
GUATEMALA:
Cercospora musae Zimm.
Colletotrichum orchidearum All.
Erinose.
Heterosporium echinulatum (Berk) Cke.
Oospora citri-aurantii C. O. Smith.
Physalospora cattleyae Maubl. & Lasn.
Ravenelia ingae (P. Henn.) Arth.
HAITI:
Oospora citri-aurantii C. O. Smith.
Nectria diploa B. & C.
HONDURAS:
Cercospora musae Zimm.
Myriangium duriaei Mont. & Berk.
Nectria diploa B. & C.
Pucciniopsis caricae Earle.
HUNGARY:
Puccinia allii (D. C.) Rud.
INDIA:
Bacterium citri (Hasse) Doidge.
Phyllachora cynodontis (Sacc.) Niessl.
IRAN:
Anguina tritici (Steinb.) Filijev.
IRELAND:
Apiosporella rhodophila Sacc.
Coryneum microstictum B. & Br.
Gloeosporium fructigenum Berk.
Pestalozzia compta Sacc.
Pseudopeziza medicaginis (Lib.) Sacc.
Pseudopeziza trifolii (Biv.) Fckl.
Puccinia buri DC.
Uromyces trifolii (Hedw. f.) Lev.
ITALY:
Coryneum beijerinckii Oud.
Cumminsiella sanguinea (Peck) Arth.
Cylindrosporium castanicolum (Desm.) Berl.
Cytospora ambiens Sacc.
Fusicladium depressum (B. & Br.) Sacc.
Fusicladium eriobotryae Cav.
Heterosporium allii Ellis & Mart.
Leptosphaeria rusci (Wallr.) Sacc.
Leptothyrium pomi (Mont. & Fr.) Sacc.
Microdiplodia palmarum Died.
Mycosphaerella citrullina (Smith) Gross.
Oidium euonymi-japonici (Arcang.) Sacc.
Peronospora pisi (DeBy.) Syd.
Phyllosticta ruscicola Dur. & Mont.
Pleospora herbarum (Pers.) Rabh.
Puccinia allii (DC.) Rud.
Puccinia magnusiana Koern.
Rhabditis producta Schneider.
Sclerotinia fructigena Aderh. & Ruhl.

Country of origin and diseases—Continued

ITALY—Continued.
Sclerotium cepivorum Berk.
Septoria dianthi Desm.
Septoria endiviae Thuem.
Septoria taraxaci Holl.
Urocystis cepulae Frost.
Uromyces betae (Pers.) Lev.
Uromyces fabae (Pers.) DeBary.
Ustilago bromivora Fischer de Wald.
Ustilago vaillantii Tul.
JAMAICA:
Heterodera marioni (Cornu) Goodey.
Mycosphaerella citrullina (Smith) Gross.
Pratylenchus pratensis (DeMan) Filipjev.
Pucciniopsis caricae Earle.
JAPAN:
Acrospeira mirabilis B. & Br.
Alternaria citri N. B. Pierce.
Bacterium campestre (Pammel) E. F. S.
Bacterium citri (Hasse) Doidge.
Bacterium pisi (Sackett) E. F. S.
Ceratostomella fimbriata (E. & H.) Elliott.
Cercosporella euonymi Eriks.
Colletotrichum lagenarium (Pass.) Ell. & Hals.
Coryneum microstictum B. & Br.
Discosia artocreas (Tode) Fr.
Erysiphe polygoni DC.
Gloeosporium cymbidii Verpl.
Heterodera marioni (Cornu) Goodey.
Meliola penzigi Sacc.
Mycosphaerella schoenoprasi (Rabenh.) Schroet.
Pestalozzia neglecta Thum.
Pezizella lythri (Desm.) Shear & Dodge.
Phlyctaena ranunculacearum v. H.
Phoma citricarpa McAlp.
Phoma tenuis Pass.
Phyllosticta camelliaecola meranensis Bubak.
Physalospora japonica Togashi.
Plasmodiophora brassicae Wor.
Sclerotiopsis testudinea Dearness.
Stemphylium citri Patterson & Charles.
Uromyces lespedezae-procumbentis (Schw.) Curtis.
JAVA:
Aphelenchoides parietinus (Bast.) Steiner.
Bacterium citri (Hasse) Doidge.
Vermicularia capsici Syd.
MALTA:
Erysiphe polygoni DC.
MEXICO:
Alternaria mali J. W. Roberts.
Aplanobacter michiganense E. F. S.
Aspergillus glaucus Link.
Bacterium phaseoli E. F. S.
Bacterium pisi (Sackett) E. F. S.
Bacterium punctilans Bryan.
Botrytis allii Munn.
Ceratostomella fimbriata (E. & H.) Elliott.
Cercospora althaeina Sacc.
Cercospora atricincta Heald & Wolf.
Cercospora ipomoeae Wint.
Cercospora musae Zimm.
Cercospora zinniae E. & M.
Colletotrichum destructivum O'Gara.
Colletotrichum falcatum F. A. Went.
Colletotrichum hedericola Laubert.
Colletotrichum orchidearum All.
Colletotrichum phomoides (Sacc.) Chester.
Colletotrichum pisi Pat.
Colletotrichum stanhopeae P. Henn.
Cylindrosporium chrysanthemi Ell. & Dearn.
Darluca filum (Biv.) Cast.
Diplodia tubericola (E. & E.) Taub.
Epicoccum nigrum Lk.
Erysiphe cichoracearum DC.
Erysiphe polygoni DC.
Gloeosporium crocatum Sacc.
Gloeosporium laetiae P. Henn.
Gloeosporium musarum Cke. & Mass.
Gloeosporium psidii Del.
Glomerella gossypii (E. A. Southworth) Edg.
Helminthosporium oryzae v. Br. de Haan.
Heterosporium echinulatum (Berk.) Cke.
Kuehneola malvicola (Speg.) Arth.
Leptothyrium pomi (Mont. & Fr.) Sacc.
Macrosporium commune Rab.
Macrosporium porri Ellis.
Melampsora abieti-capraearum Tubeuf.
Melanconium sacchari Massee.
MEXICO—Continued.
Monilochaetes infuscans Ell. & Hals.
Mycosphaerella rubi E. W. Roark.
Myriangium duriaei Mont. & Berk.
Oospora citri-aurantii C. O. Smith.
Papulospora coprophila (Zukal) Hotson.
Papulospora sp.
Peronospora pisi (DeBy.) Syd.
Peronospora trifoliorum DeBy.
Phleospora multimaculans Heald & Wolf.
Phoma betae (Oud.) Frank.
Phoma lingam (Tode) Desm.
Phoma pomi Pass.
Phyllachora graminis (P. ex. Fr.) Fckl.
Phyllachora gratissima Rehm.
Phyllactinia corylea (Pers.) Karst.
Phyllosticta gladioli E. & E.
Phyllosticta nigro-maculans Sacc.
Phyllosticta stanhopeae All.
Phytophthora phaseoli Thaxt.
Phytophthora terrestria Sherb.
Pratylenchus pratensis (deMan) Filipjev.
Pseudopeziza medicaginis (Lib.) Sacc.
Puccinia chrysanthemi Roze.
Puccinia heterospora B. & C.
Puccinia purpurea Cke.
Puccinia schedonnardi Kellerm. & Sw.
Puccinia tageticola Diet. & Holw.
Septoria darrowii Zeller.
Septoria gladioli Pass.
Septoria hydrangeae Bizz.
Septoria lycopersici Speg.
Septoria rubi Westd.
Sphaerotheca pannosa (Wallr.) Lev.
Tilletia tritici (Bjerk.) Wint.
Tranzschelia pruni-spinosae (Pers.) Diet.
Uredinopsis macrosperma (Cooke) Magn.
Uromyces striatus medicaginis (Pass.) Arth.
Ustilago levis (Kell. & Sw.) Magn.
Verticillium alboatrum Reinke & Berth.
Virus (mosaic).
Virus (spotted wilt).
MOROCCO:
Aspergillus alliaceus Thom & Church.
Ustilago vaillantii Tul.
NETHERLANDS:
Aphelenchoides fragariae (Ritzema Bos) Christie.
Aphelenchoides parietinus (Bast.) Steiner.
Aphelenchoides subtenuis (Cobb) Goodey.
Aphelenchus avenae Bast.
Bacterium hyacinthi Wakker.
Botrytis galanthina (B. & Br.) Sudw.
Botrytis narcissicola Kleb.
Botrytis tulipae (Lib.) Hopkins.
Ditylenchus dipsaci (Kuhn) Filipjev.
Eutypa bambusina Penz. & Sacc.
Mycosphaerella citrullina (Smith) Gross.
Papulospora coprophila (Zukal) Hotson.
Papulospora parasitica (Eid.) Harz.
Papulospora sp.
Phomopsis perniciosa Grove.
Pratylenchus pratensis (deMan) Filipjev.
Puccinia allii (DC.) Rud.
Puccinia phragmitis (Schum.) Koern.
Rotylenchus robustus (deMan) Filipjev.
Sclerotinia minutissima Drayton.
Sclerotinia narcissi Drayton.
Septoria azaleae Vogl.
Stagonospora curtisii (Berk.) Sacc.
Urocystis colchici (Schlecht) Rab.
Ustilago grandis Fries.
Verticillium albo-atrum Reinke & Berth.
NEWFOUNDLAND:
Sporonema oxycocci Shear.
NEW SOUTH WALES:
Physalospora rosicola Sacc.
NEW ZEALAND:
Cryptospora longispora Servazzi.
NORWAY:
Aphelenchoides parietinus (Bast.) Steiner.
Aphelenchus avenae Bast.
Pratylenchus pratensis (deMan) Filipjev.
Vermicularia trichella Fr.
NOVA SCOTIA:
Guignardia aesculi (Pk.) V. B. Stewart.
PALESTINE:
Hendersonia donacis Sacc.

Country of origin and diseases—Continued

PANAMA:
Nectria diploa B. & C.
PERU:
Diplodia tubericola (E. & E.) Taub.
Uredo erythroxylonis Graz.
Virus (mosaic).
PHILIPPINES:
Bacterium citri (Hasse) Doidge.
Colletotrichum macrosporum Sacc.
Heterodera marioni (Cornu) Goodey.
Pestalozzia palmarum Cke.
POLAND:
Erinose.
PORTUGAL:
Botrytis allii Munn.
Darluca filum (Biv.) Cast.
Mycosphaerella citrullina (Smith) Gross.
Mycosphaerella tulasnei Jacz.
Puccinia allii (DC.)Rud.
Septoria pisi West.
PUERTO RICO:
Aschersonia cubensis B. & C.
Cephalosporium lecanii Zimm.
Colletotrichum cajani Rangel.
Fusicoccum microspermum Has. & Karst.
Gloesporium musarum Cke. & Mass.
Mycosphaerella lythracearum Wolf.
Myriangium duriaei Mont. & Berk.
Nigrospora oryzae (B. & Br.) Petch.
Pucciniopsis caricae Earle.
RUMANIA:
Aphelenchoides parietinus (Bast.) Steiner.
Aphelenchus avenae Bast.
Puccinia allii (DC.) Rud.
Septoria malvicola Ell. & Mart.
ST. VINCENT:
Ceratostomella fimbriata (E. & H.) Elliott.
SIERRA LEONE:
Aphelenchoides hunti Steiner.
Diplodia tubericola (E. & E.) Taub.
Melanconium sacchari Massee.
SPAIN:
Bacterium citri (Hasse) Doidge.
Leptothyrium pomi (Mont. & Fr.) Sacc.
Puccinia allii (DC.) Rud.
STRAITS SETTLEMENTS:
Bacterium citri (Hasse) Doidge.
SWEDEN:
Septoria caricis montanae Vestergren.
SWITZERLAND:
Chrysomyxa rhododendri (DC.) DeBy.
Puccinia gentianae (Str.) Link.
SYRIA:
Tilletia vulpiae P. Magn.
THAILAND:
Bacterium citri (Hasse) Doidge.
TRINIDAD:
Cephalosporium lecanii Zimm.
TURKEY:
Botrytis galanthina (B. & Br.) Sacc.
Puccinia allii (DC.) Rud.
URUGUAY:
Puccinia allii (DC.) Rud.
UNION OF SOUTH AFRICA:
Diplodia tubericola (E. & E.) Taub.
Mycosphaerella citrullina (Smith) Gross.
Puccinia ornithogali-thyrsoides Diet.
Septoria citri Pass.
VENEZUELA:
Gloeosporium cattleyae Sacc. & D. Sacc.
Glomerella cincta (Ston.) Spauld. & Schrenk.
Mycosphaerella citrullina (Smith) Gross.
VIRGIN ISLANDS:
Pestalozzia palmarum Cke.
WEST AFRICA:
Diplodia tubericola (E. & E.) Taub.

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United States Department of Agriculture

BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

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